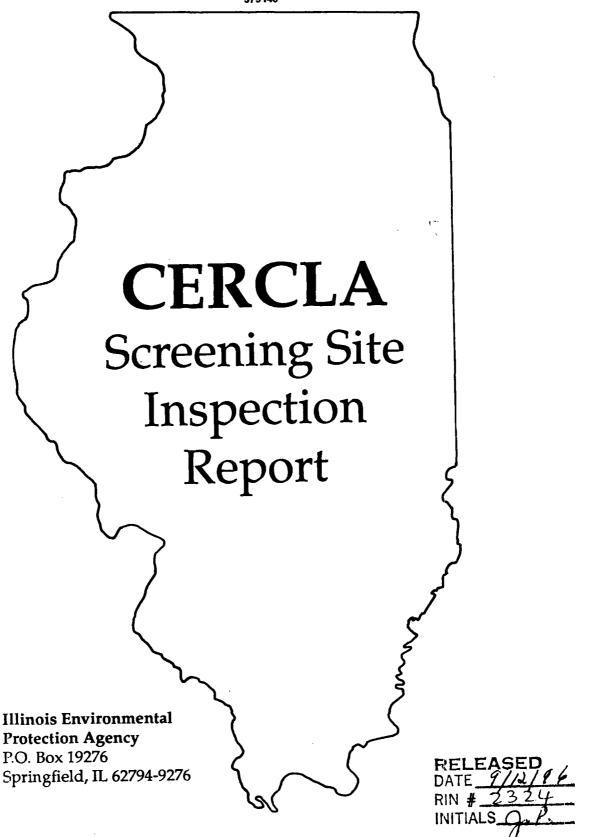
L1970000000 -- Will County New Lenox Public Well #4 ILD 981956469 SF/HRS Volume 1 of 2

EPA Region 5 Records Ctr.

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Confidential Material May be Enclosed





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Pro-Romodic:

October 4, 1990

Alan Altur
Program Support Unit
Pre-Remedial Unit
U.S. Environmental Protection Agency
230 South Dearborn
Chicago, Illinois 60604

Dear Mr. Altur:

Please find enclosed a copy of the revisions for the New Lenox Public Well #4 screening site inspection (SSI), ILD 981956469. These revisions have addressed all the comments contained within the letter received on August 27, 1990. Please replace the old page 2-1 and SSI form Section 10 with the new revisions.

Should you have any questions or additional comments concerning the enclosed documents, please feel free to call Greg Dunn at 217/782-6760.

Sincerely,

Thomas Crause

Lugary N. D.

Pre-Remedial Program Manager State Site Management unit Remedial Project Management Section Division of Land Pollution Control

cc: Division File Maywood Region Fred Martinez

TABLE OF CONTENTS

Section		Page
1	INTRODUCTION	1-1
2	SITE BACKGROUND	2-1 2-1 2-1 2-1
3	SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVIATIONS 3.1 INTRODUCTION	3-1 3-1 3-1 3-2 3-2 3-5 3-6
4	ANALYTICAL RESULTS	4-1 4-1 4-1
5	DISCUSSION OF MIGRATION PATHWAYS	5-1 5-1
6	RIRI TOCPAPHY	6_1

<u>APPENDIX</u>		PAGE
Α	SITE 4-MILE RADIUS MAP	A-1
В	USEPA FORM 2070-13	B 1
С	MONITOR WELL BORING LOGS	C-1
D	GROUNDWATER FLOW DIAGRAM AND MEASUREMENTS	D-1
Е	TARGET COMPOUND LIST	E-1
F	IEPA SITE PHOTOGRAPHS	F-1
G	WELL LOGS	G-1
Н	ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES	H-1

9.1.4

FIGURE		PAGI
2-1	SITE LOCATION	2-2
3-1	SITE FEATURES	3-3
3–2	MONITOR WELL LOCATIONS	3-4
3-3	SAMPLING LOCATIONS	3-7

LIST OF TABLES

TABLE		PAGE
2-1	DRILLER'S LOG OF NEW LENOX PUBLIC WELL #4	2-3
2-2	SUMMARY OF CONTAMINANTS FOUND IN PUBLIC WELL #4	2-4
4-1	SUMMARY OF RESULTS FROM IEPA COLLECTED SAMPLES	4–2

1. INTRODUCTION

Illinois Environmental Protection Agency's Pre-Remedial Unit was tasked by the United States Environmental Protection Agency (U.S.EPA) to conduct a screening site inspection of the New Lenox Public Well #4.

The site was added to CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) by the Illinois EPA in April of 1987 after repeated sampling confirmed the presence of volatile compounds. The site was evaluated in the form of a Preliminary Assessment (PA) that was completed by Jeanine Morse of the Illinois EPA on May 18, 1987 and submitted to U.S.EPA. IEPA's Pre-Remedial Unit prepared a screening site inspection (SSI) work plan for the New Lenox Public Well site that was approved by U.S.EPA. The SSI was conducted on March 28 and March 29, 1989 with the collection of eleven samples (five groundwater and six soil).

The purposes of an SSI have been stated by U.S.EPA in a directive outlining Pre-Remedial program strategies. The directive states:

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All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act]... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred by another authority will receive a listing SI (U.S. EPA 1988).

U.S.EPA Region V has also instructed IEPA to identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

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2. SITE BACKGROUND

2.1 INTRODUCTION

This section includes information obtained from the SSI work plan preparation.

2.2 SITE DESCRIPTION

The New Lenox Public Water Supply system, which consists of three wells (#2, #3, and #4), serves a population of 5,167 residents (IEPA, PWS, 1989). The New Lenox Well #4 is currently used in emergency situations and during peak water use periods, with water pumped from the well mixed with water from Wells #2 and #3. The New Lenox Wells #2 and #3 are located approximately one mile south of Well #4 and samples from these two wells indicate no contaminants at this time.

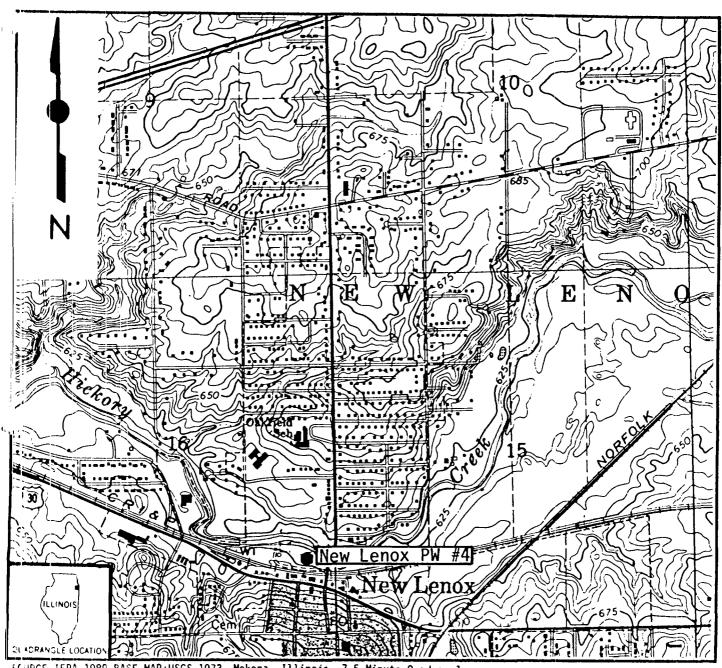
Well #4 is located behind a retail shopping building on a commercial parcel of land that intersects Cedar Road and Route 30 (also called Maple Street) in New Lenox, Illinois (SE 1/4, Section 16, T.35N., R.11E., see Figure 2-1). A 4-mile radius map for groundwater use in the New Lenox area is provided in Appendix A.

2.3 SITE HISTORY

The New Lenox Public Well #4, open to the Silurian (Niagaran Series)

Dolomite aquifer, was drilled by Wehling Well Works (Beecher, IL) to a depth

of 300 feet. The well is cased with 10.8 inch steel pipe from land surface to



SCURCE IEPA,1989.BASE MAP:USGS 1973, Mokena, Illinois, 7.5 Minute Quadrangle.

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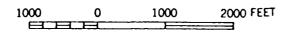


FIGURE 2-1 SITE LOCATION

2-2

57 feet (cemented in at this depth) and is an open 10 inch diameter hole from 57 feet to 300 feet (ISWS Bulletin 60-29). Table 2-1 summarizes the driller's log and geology of well #4.

TABLE 2-1

Driller's Log:

<u>Stratigraphy</u>	Thickness (ft)	<u>Depth (ft)</u>
Drift	12	12
Lime	282	294
Shale	6	300

IEPA's Pre-Remedial Unit became involved with the New Lenox Well #4 investigation when repeated sampling by Agency personnel and a private consulting firm (hired by the Village of New Lenox) detected organic contamination. (Table 2-2 summarizes the dates, concentrations and compounds found in Well #4). The private consulting firm (Donohue & Associates, Inc.) determined through sampling that the highest concentration of contaminants were found when Well #4 was pumping at capacity and the lowest concentrations were found when the well had been idle for a period of time.

The investigation completed by the Illinois Environmental Protection

Agency at Well #4 may not have found the exact source of contamination, but

geologic and hydrologic data generated during the process has helped to

pinpoint a direction of contaminant migration.

TABLE 2-2

Sample Date	1,1-Dichloroethene	Trans-1,2-Dichloroethene	Trichloroethene	1.2-Dichloroethane	Chloroform	Benzene
July 3, 1985	15.6 ug/l		60 ug/l			
June 24, 1986			105 u g /l	4 ug/l	15 ug/l	2 ug/l
August 27, 1987		16 ug/l	24 ug/l			
September 14, 1987			95 u g /l	38 ug/l		3 ug/l
October 22, 1987		33 ug/l	103 ug/l			
October 28, 1987		29 ug/l	78 u g /l			Trace
February 17, 1988		2 ug/l	6 ug/l			
May 11, 1988		2 ug/l	3 ug/l			
November 4, 1988			6 ug/l			
March 29, 1988		20 ug/l	30 ug/l			Trace

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SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATION

3.1 INTRODUCTION

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This section outlines procedures and observations of the SSI at the New Lenox Public Well #4, including monitor well installation. Individual subsections address the site representative interview, reconnaissance inspection, monitor well installation, monitor well data and sampling procedures. The SSI was conducted in accordance with the U.S.EPA-approved work plan.

The U.S.EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the New Lenox Public Well #4 is provided in Appendix B.

3.2 SITE REPRESENTATIVE INTERVIEW

Greg Dunn of the IEPA conducted an interview with Mr. Art Benner, Director of Public Works for the Village of New Lenox, Illinois. The interview was conducted to inform Mr. Benner of IEPA's intentions concerning the installation of three monitor wells to determine groundwater flow, local geology and the extent of contamination. The interview began at 10:30 a.m. in Mr. Benner's office and concluded at 11:15 a.m. at the New Lenox Public Well #4.

Other interviews and telephone conversations were conducted with Mr. Ron Sly and Mr. Russ Loebe from the Village of New Lenox. However, these conversations did not reveal any new information or ideas on the potential source(s) of contamination.

3.3 RECONNAISSANCE INSPECTION

IEPA personnel conducted a reconnaissance inspection of the New Lenox Public Well #4 and surrounding area on March 22, 1988. The reconnaissance inspection included a walk around the New Lenox property and surrounding areas to identify three potential locations for monitor wells. The inspection also determined appropriate health and safety requirements and locations for five soil samples.

Reconnaissance Inspection Observations. The New Lenox Public Well #4 is located south of Hickory Creek and just west of Cedar Road in New Lenox, Illinois. Land use is primarily commercial to the east, south and west with a pasture to the north. The surface topography is from the south toward the north, draining into Hickory Creek. The New Lenox Well #4 is bordered on the north by Hickory Creek, on the east by Cedar Road, on the west by the New Lenox Sewage Treatment plant and on the south by the CRI&P Railroad (see Figure 3-1 for site details).

3.4 MONITOR WELL INSTALLATION

Groundwater monitor well installation began on May 3, 1988 with the drilling of G101, located approximately 200 feet north of Well #4 (see Figure 3-2 for monitor well locations). G101 was cored to a total depth of 62 feet, with the well screened from 57 to 62 feet. The casing was a Johnson type 304 stainless steel two inch diameter pipe with a cap, and a steel protective cover was placed over the casing. The protective covering was grouted in place and locked before departing the area.

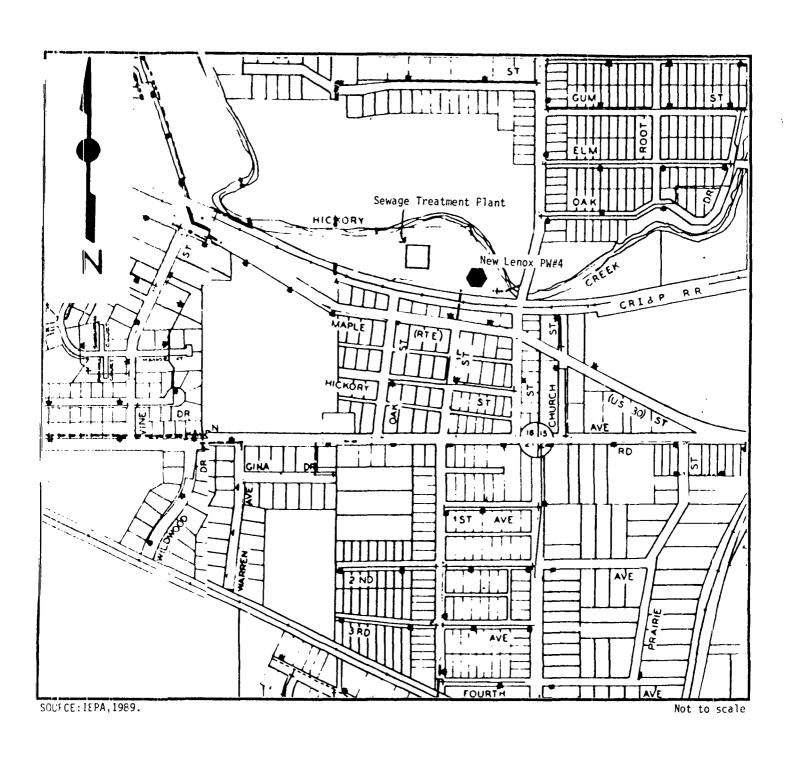
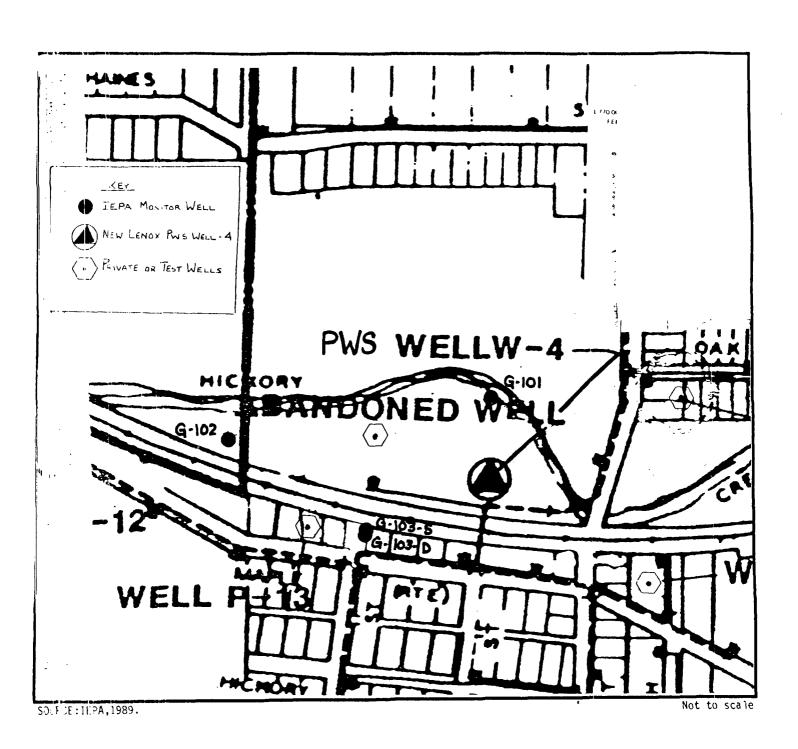


FIGURE 3-1 SITE FEATURES



G102 installation began on May 12, 1988, with this well located on the west side of the sewage treatment plant, between Hickory Creek and the railroad. The well was cored to a total depth of 64.6 feet, with the well screened from 59.6 to 64.6 feet. The casing used was a Johnson type 304 stainless steel two inch diameter pipe with cap, and a steel protective cover was placed over the casing. The protective covering was grouted in place and locked before departing the well site.

GlO3S installation began on May 24, 1988, with this well located just east of the Speedway gas station and west of the New Lenox Travel Agency. This well was to be third deep well cored, but at fifteen feet a strong "gasoline" odor was detected. A shallow well was installed, with the well cored to a depth of 19.53 feet. The well was screened from 14.48 to 19.48 feet. The casing was a Johnson type 304 stainless steel two inch diameter pipe with a cap, and a steel protective cover was placed over the casing. The protective covering was grouted in place and locked prior to leaving the area.

G103D installation began on May 27, 1988 and is located next to well G103S. The well was cored to a depth of 73.1 feet, with the well screened from 67.35 to 72.35 feet. The casing was a Johnson type 304 stainless steel two inch diameter pipe with a cap, and a steel protective cover was placed over the casing. The protective covering was grouted in place and locked prior to departing New Lenox. Well logs for the four monitor wells are provided in Appendix C.

3.5 MONITOR WELL DATA

History

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Groundwater elevations were measured on July 5, 1988, July 11, 1988, August 26, 1988, March 3, 1989 and March 28, 1989. The groundwater direction

map drawn from the data collected on August 26, 1988 indicated a cone of depression around the dewatering sump at the New Lenox Sewage Treatment plant construction site. (This sump was used to dewater pits, so that sewer tiles could be installed. The dewatering at the sewage plant affected the groundwater flow, thus only one groundwater map could be drawn.) The groundwater flow as reported by Donohue & Associates, Inc. (consultants hired by New Lenox) indicated a north northeast flow. These measurements were taken from private wells and the New Lenox Well #4 and are provided in Appendix D. The groundwater flow map and the groundwater measurements for the monitor wells installed near public well #4 are also provided in Appendix D.

3.6 SAMPLING PROCEDURES

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Samples were collected by IEPA personnel to determine levels of U.S.EPA

Target Compound List (TCL) compounds present at the site. The TCL is provided in Appendix E.

On March 28 and March 29, 1989, IEPA personnel collected five groundwater samples, one waste sample and five soil samples (see Figure 3-3 for the eleven sampling locations).

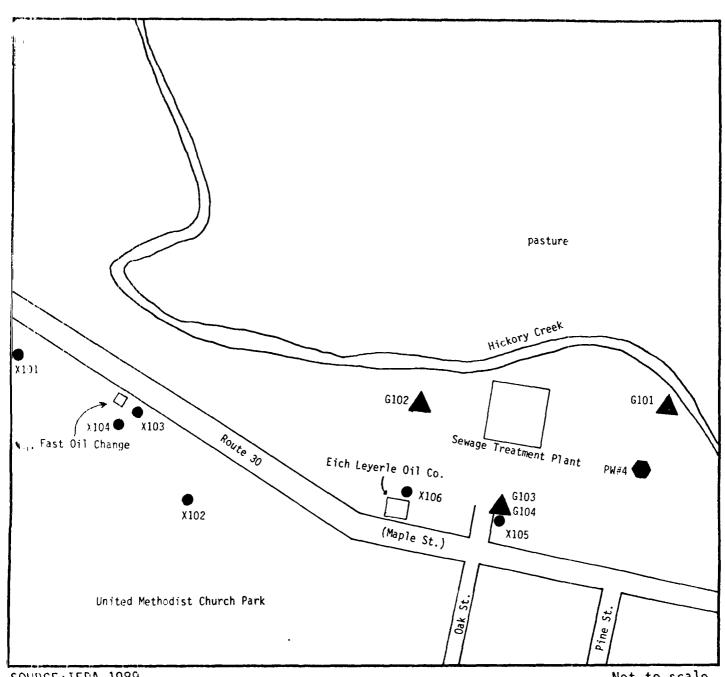
Groundwater Sampling Procedures. The four monitor well samples (indicated as G101, G102, G103 and G104 on Figure 3-2) and New Lenox Public Well #4 sample (indicated as PW #4 on Figure 3-2) were collected to determine if contaminants were migrating via groundwater. All monitor wells had five well volumes purged, with pH, conductivity and temperature measured before purging and prior to sampling. The wells were purged and sampled with a three foot teflon bailer and nylon cord. The total metals sample was field filtered with a Masterflex variable speed perstaltic pump and filter stand with cellulose

nitrate filters. After sample collection, preservatives were added to the appropriate bottles, evidence taped and packaged in accordance with U.S.EPA required procedures.

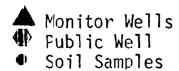
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The New Lenox Public Well #4 tap, inside the wellhouse, was run for thirty minutes prior to sampling. (The well had been pumping for two days prior to our sampling inspection.) The pH, conductivity and temperature were measured after the start of the well and prior to sampling. The totals metal sample was not filtered for the Public well. After sample collection, preservatives were added to the appropriate bottles, evidence taped and packaged in accordance with U.S.EPA required procedures. All water samples were analyzed for the TCL by IEPA's Springfield lab (Organic analysis) and IEPA's Champaign lab (Inorganic analysis).

Soil Sampling Procedures. The five soil samples (see Figure 3-3) were collected to compare a background sample to potential sources of contamination. X101 was taken on the southeast corner of the former Danway Motors building (340 Maple Street), in a possible spill area. X102 was taken 70 yards south of Maple Street and 30 yards east of the flagpole in the United Methodist Church park. X102 was taken as the background bacause soil in this area appeared to be representative and undisturbed. X103 was taken from underneath a pipe on the east side of the Fast Oil Change business at 344 West Maple Street. This pipe led into a small creek that flows into Hickory Creek (this small creek is downstream from the Public Well). X104 was taken at the back of the Fast Oil Change shop, in an area of spills or tank leakage. X106 was taken from behind the Eich Leyerle Oil Company, 321 West Maple, in an area of empty drum storage.



SOURCE: IEPA, 1989. Not to scale.



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FIGURE 3-3 SAMPLING LOCATIONS

The soil samples were collected with stainless steel spoons from the surface to six inches, with the soil transferred directly into the sample jars. The sample jars were evidence taped and packaged in accordance with U.S.EPA required procedures. The IEPA samples were analyzed for the TCL by IEPA's Springfield lab (Organic analysis) and IEPA's Champaign lab (Inorganic analysis).

<u>Waste Sample Procedure.</u> One waste sample was collected to determine the concentration of contaminants in the shallow monitor well (G104 on Figure 3-3). X105 was the waste sample collected from the material found on top of the water table in the monitor well. The waste sample was collected with a three foot teflon bailer (dedicated to the well) and nylon cord. The waste material was then poured into jars, evidence taped and packaged in accordance with U.S.EPA required procedures. The sample was analyzed for the TCL by IEPA's Springfield lab (Organic analysis) and IEPA's Champaign lab (Inorganic analysis). Photographs for the New Lenox Public Well #4 are provided in Appendix F.

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Decontamination Procedures. Standard Illinois Environmental Protection Agency decontamination procedures were followed prior to the collection of all samples. The procedures included the scrubbing of all equipment (bailers, spoons, pans, etc.) with a non-foaming Trisodium Phosphate solution, rinsing with hot tap water, rinsing with acetone, rinsing with hot tap water again and final rinsed with distilled water. All equipment is air dried, then wrapped and stored in heavy duty aluminum foil for transport to the field. Field decontamination procedures include all of the above except the hot water rinse.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

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This section includes the analytical results of Target Compound List compounds from IEPA collected samples at the New Lenox Public Well #4.

4.2 ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

Chemical analysis of soil samples collected by IEPA personnel revealed the following substances: volatiles, pesticides, semi-volatiles, heavy metals, common laboratory artifacts and common soil constituents. Chemical analysis of the waste sample collected by IEPA personnel indicated the following substances: volatiles, semi-volatiles and heavy metals. Analysis of groundwater samples collected by the IEPA revealed the following substances: volatiles, pesticides, semi-volatiles, common laboratory artifacts and common groundwater constituents (see Table 4-1 for the summary of the sample results). Complete laboratory analytical data for groundwater, waste and soil samples are provided in Appendix H.

Trichloroethene and 1,2-Dichloroethene were the contaminants found in previous sampling results and were the compounds of concern at Well #4. The screening site inspection on March 29, 1989 found these contaminants in the public well and monitor well G101, with the monitor well having the highest concentrations. Monitor well G104 contained high levels of volatiles and semi-volatiles that may be associated with a leaking underground gas tank. The Illinois EPA's Leaking Underground Storage Tank Unit has been notified of the results from this well and is taking action against the responsible

Table 4-1

New Lenox Public Well #4 ILD981956469 GREANIC ANALYSIS SUBMARY

All concentrations in opb (parts per billion)

		onitor Well	Cambre				c	oil Samples			Waste Sample
	7	Outto, Mett	Seanise				3	Mit amples			Adole SEMPIE
SAMPLING POINT	6101 3-29-89	6102 3-29-89	6193 3 -29-89	6104 3-29- 89	P W04 3-29-89	3-29-89	¥102 3-29-89	¥103 3-29-89	1104 3-29-89	¥106 3-29-89	¥105 3-29-89
Volatiles											
Vinvl Chloride	24.0 DJ										
Methylene Chloride								47.0		100.0 J	
Acetone	27.0 DJ		16.0 J				11.0 J	13.0 J			
1.1-Dichloraethene	0.7 DJ										
1.2-Dichloroethene (total)	390.0 DJ				20.0 J						
2-Butanone	50.6 P	10.0 R	10.0 R		10.0 R	190.0 J	14.0 R	12.0 R	4500.0 R	3.0 J	77 0 000.0 R
Trichloroethene	730.0 D				70.0						
Benzene	19.0 DJ			240000.0 0	1.0 J				1000.0 DJ		290000.0 DJ
Tetrachioroethene						11.0 J					
Toluene				430000.0 P		1900.0			11000.0 D		640000.0 D
Ethylbenzene				2300000.0 D					6500.0 D		280 0 000.0 D
Xvlenes (total)				11000000.0 D		8400.0			55000.0 D		14000000.0 D
Pesticides											
beta-RHC									665.0		
Heptachlor				21.0					203.0		
Aldrin		•-		23.0					203.0		
Heptachlor Ecoxide				23.0				16.0			
							20. 0		203.0	16.0	
4,4'-00E							29.0				
Dieldrin						20.0		**			
Endosulfan II									304.0		
4,4'-DDT		•-					19.0 J				
Methoxychlor								212.0			
alpha-Chlordane			••						267.0 J		
gaesa-Chlordane							49.0 J		407.0 J		
Semivolatiles											
2-Methylphenol									460.0 J		
2-Methylnaphthaiene				43000000, 0		980.0 J	10.0 J	110.0 J	72000.0	240.0 J	4000000.0
Naphthalene				(700000.0				89.0 J	27000.0	91.0 J	1600000.0
Acenaphthone				100000.5 3				910.0 J	1900.0 J		
Dibenzofurar				2 4 00000.0 J				410.0 J	•-		210000.0 J
fluorene					~-			960.0 J	4006.6.0		260000.0 J
Diethvlphtralate	-						72.0 J	~~			
Phenanthrene				5800000.0 3		590.0 J	140,0 J	5600.0 3	17000,6		550000.0 3
Anthracene							37.0 1	1700.0 J	2300.0 J	*-	80000.0 J
Di-n-butylphthalace									1000.0 0		50000.0 0
Fluoranthene		,		48000.0 J			200.0 J	3500.0 J			
Pyrene				-		970 0 J	196.6 J			2700.0 J	
Butvibenzylphthalate						44000.0 3		3506.0 J		2400.0 J	
Bis17-ethvihexviiohthalati						97000.0 J					
Chrysene								6400.0 J	31000.0 J		
Benzo(a) anthrarene								2500.0 1		1800.0	
		•	•					* *		2100.0 3	
Benzufülfluora									•	2400.0 J	

⁻⁻ indicates compound analyzed for but not detected.

Table 4-1 (cont.)

New Lenox Public Well #4 ILD981956469

INORGANIC ANALYSIS SUMMARY

			Monitor Wel	l Samoles				Soil Samples			Waste Sample
SAMPLING POINT	6101	6102	6103	6104	P##4	X101	X102	X103	X104	X106	X105
	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-89	3-29-69
PARAMETER											
ALUMINUM	158.00 Đ		196.00 B	529.00	169.00 B	7670.00	11080.00	6480.00	5890.00	6180.00	
ANTIMONY						1.81 0		1.91 B	1.23 B	3.20	
ARSENIC				8.00 B	3.00 B	4.25	7.78	8.30	6.50	35.30	1.80 9
BARIUM	28.00 B	84.00 B	43.00 B	122.00 B	33.00 B	150.00	124.00	117.00	118.00	233.00	0.3B B
BERYLLIUM						0.80	0.90	0.60 8	0.50 8	2.20	
CADMIUN	1.30 B	1.80 B		1.30 B		48.00		4.00	3.40	7.60	
CALCIUM	130600.00	101300.00	138500.00	162000.00	143100.00	32220.00	21600.00	37000.00	60500.00	35450.00	
CHROMIUM	14.90	16.40	18.60	23.00	15.60	35.00	18.00	32.00	28.00	22.00	
COBALT	21.60 B	2.60 B	4.70 B	4.20 B			11.00				
COPPER		2.20 B				102.00	24.00	66.00	108.00	76.00	
IRON	188.00	1084.00	134.00	9967.00	853.00	21460.00	22600.00	23000.00	17000.00	35240.00	22.80 B
LEAD	28.00	29.00	16.00	215.00		919.00	80.00	286.00	310.00	370.00	543.00
MAGNESIUM	54740.00	57420.00	68270.00	86600.00	59640.00	16960.00	12360.00	22300.00	32300.00	15060.00	
MANGANESE	94.00	54.30	372.00	402.00	34.00	270.00	1427.00	220.00	370.00	540.00	0.90 8
MERCURY			0.10 B				0.09			0.12	
NICKEL	30.50 B	10.30 B	16.30 B	19.00 B		19.00	20.00	20.00	19.00	17.00	
POTASSIUM	4472.00 B	4443.00 B	4771.00 B	8165.00	4143.00 B			1230.00	890.00		
SELENIUM							0.38	0.37 B		0.78	0.30 B
SODIUM	82500.00	74580.00	151700.00	158000.00	45020.00			1930.00	300.00 B		
THALLIUM						0.15 B	0.38 B	0.37 B	0.32 B	0.60 B	
VANADIUM						19.00	28.00	16.00	14.00	23.00	
ZINC				15.00 B		625.00	109.00	770.00	610.00	896.00	
SULFATE	186.00	96.00	139.00	90.00	212.00						
Temperature (F)(1)	54.00	53.90	59.50	*	51.70						
Temperature (F)(2)	46.80	47.30	50.20	ŧ							
pH (1)	6.95	7.03	7.20	•	7.09						
pH (2)	6.96	7.26	6.80	¥							
Sp. Cond. (umhos) (1)		1375.00	1600.00	+	1333.00						
Sp. Cond. (wmhos) (2)	1650.00	1339,00	2050,00	•							
	(ug/1)	(ug/1)	(ug/1)	(uq/1)	(ug/l)	(m g/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(անգ/եց)	(mg/kg)

Note: + indicates the well did not have pH, conductivity and temperature measured due to visible contaminants on water.

⁽¹⁾ indicates measurement before purging process.
(2) indicates measurement before sempling.

⁻⁻ indi: Trompound was analyzed for but not detected.

ORGANIC DATA QUALIFIERS

36.00

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will <u>not</u> apply to pesticide/PCB's analyzed by GC/EC methods.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- X Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the Case Narrative.

INORGANIC DATA QUALIFIERS

C (Concentration) Qualifier:

- B Indicates the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U Indicates compound was analyzed for but not detected.

Q Qualifier:

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- E The reported value is estimated because of the presence of interference.
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S The reported value was determined by the Method of Standard Additions (MSA).
- W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while the sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for the MSA is less than 0.995.

M (Method) Qualifier Enter:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed.

party. The contaminants found in Well #4 were not detected in any of the soil samples. However, soil sample X104 contained significant levels of volatiles, pesticides, semi-volatiles and heavy metals, while X101 had reportable levels of heavy metals and volatiles. These sample locations have been referred to IEPA's Field Operations Unit for further investigation. Analysis of the waste sample collected by IEPA personnel revealed the following substances: volatiles, semi-volatiles and heavy metals. This sample point (X105) was taken from product floating on top of the water table and may be associated with a leaking gas tank. Contaminants found in the public well were not found in the analysis from this sample point.

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5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section discusses data and information that apply to potential migration pathways and targets of TCL compounds that have been found in the New Lenox Public Well #4.

5.2 GROUNDWATER

Groundwater samples were collected from monitor wells and the New Lenox Public Well #4 during the March 28-29, 1989 Screening Site Inspection. The sample results indicated an observed release to monitor well G101 (1,2-Dichloroethene at 390 ug/l and Trichloroethene at 330 ug/l) and the New Lenox Public Well #4 (Trichloroethene at 30 ug/l). The aquifer of concern is the Silurian Dolomite, which is overlain by a moderately permeable layer (less than four feet) of till (Willman et al, 1975). This bedrock aquifer is highly fractured and weathered, creating numerous crevices for the movement of groundwater. Well logs within four miles of the site indicate 28 Public Water Supply wells and approximately 532 private wells serving a total of 86,998 (see Appendix G for area well logs). The depth to groundwater is 10 feet and the groundwater flow is toward the north except in the area influenced by the pumping of Well #4 (Donohue & Associates, 1987 and IEPA HIEU, 1989).

5.3 SURFACE WATER

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No surface water samples were collected during the March 28-29, 1989 SSI conducted at the New Lenox Well #4 and at this time is not a route of concern.

5.4 AIR

No air samples were taken during the SSI, but a photo-ionization detector (HNU with an 11.7 eV lamp) was used to screen the monitor well head space and soil samples. The head space in monitor well G104 read 180 meter units above background, with the breathing zone reading 20 meter units above background. No other monitor wells were above background and all soil samples indicated levels below background.

5.5 ON-SITE EXPOSURE

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On-site exposure is not a concern at this time, due to the inability to identify a potential source of contamination.

6. BIBLIOGRAPHY

- Donohue & Associates, Inc., April 14, 1987 Technical Memorandum to Mr. Art Benner, Public Works Director for the Village of New Lenox.
- Illinois Department of Energy and Natural Resources, State Water Survey, Public Groundwater Supplies in Will County, ISWS Bulletin 60-29.
- Illinois Department of Energy and Natural Resources, State Water Survey, water well records of wells in Will County, T.34N. R.11E., T.35N. R.10E., T.35N. R.12E. and T.36N. R.11E.
- Illinois Environmental Protection Agency, 1987, Potential Hazardous Waste Site preliminary Assessment for the New Lenox Public Well #4, ILD981956469, prepared by Jeanine Morse, Springfield, IL.
- Illinois Environmental Protection Agency, 1989, Hydrogeology Investigation and Evaluation Unit, Elevations, Groundwater Flows and Monitor Well diagrams.
- Illinois Environmental Protection Agency Division of Public Water Supplies, 1989, New Lenox Public Well #4 files.
- U.S.EPA, Office of Solid Waste and Emergency Response, February 12, 1988, Pre-Remedial Strategy for Implementing SARA, Directive number 9345.2-01, Washington, D.C.
- USGS, 1973, Elwood, IL Quadrangle, 7.5 Minute Series.
- USGS, 1973, Joliet, IL Quandrangle, 7.5 Minute Series.
- USGS, 1973 Manhattan, IL Quadrangle, 7.5 Minute Series.
- USGS, 1973, Mokena, IL Quadrangle, 7.5 Minute Series.
- William, H.B. et al., 1975, <u>Handbook of Illinois Stratigraphy</u> ISGS Bulletin 95, Urbana, IL.

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	4- MILE RADIUS MAP & 15-MILE SURFACE WATER ROUTE MAP
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APPENDIX A

SITE 4-MILE RADIUS MAP

APPENDIX B

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U.S. EPA FORM 2070-13



Site Inspection Report

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCID

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

D 981 956 469

PART 3 - DESCRIPTION OF I	HAZARDOUS CONDITIONS AND INCIDENTS
II. HAZARDOUS CONDITIONS AND INCIDENTS	
New Lewen Public Well #4. Ground	02 TOBSERVED (DATE: 1985) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION en documented since 1985 by sample results from the live ter is found at twolve feet below ground lice and private mater supplies use the aguider for Drinking
01 - B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: None Socumented or observed.	02 OBSERVED (DATE:) OPOTENTIAL OBSERVED (DATE:) OF POTENTIAL OF ALLEGED
01 © C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: Nink downer tell or observed.	02 OBSERVED (DATE:) DOTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION
01 D. FIRE EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: None clocumented or observed.	02 OBSERVED (DATE:) POTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION
01 B E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 5899 Potential direct confact to con	02 OBSERVED (DATE:) POTENTIAL OF ALLEGED OF NARRATIVE DESCRIPTION of Aminorts by Dermal contact and/or inhalation.
01 F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acree) None Occumented or observed.	02 OBSERVED (DATE:) POTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION
Public Well #4. Water for drinks	02 OBSERVED (DATE: 1985) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION He wells are within a 4-mile radius of the mag is obtained from the Silvian dolonite aguitar,
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POTENTIAL HAZARDOUS WASTE SITE

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	01 STATE	02 SITE NUMBER
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II. PERMIT INFORMATION					
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E. RCRA INTERIM STATUS					· · · · · · · · · · · · · · · · · · ·
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□ I. OTHER (Specify)					
■ J. NONE					
III. SITE DESCRIPTION					
01 STORAGE DISPOSAL (Check all that apply)	02 AMOUNT 03 UNIT	OF MEASURE 04	TREATMENT (Check all that	apply)	05 OTHER
A. SURFACE IMPOUNDMENT _			A. INCENERATION		
[] B. PILES		1 _	B. UNDERGROUND INJ	ECTION	A. BUILDINGS ON SITE
☐ C. DRUMS. ABOVE GROUND		🗆	C. CHEMICAL/PHYSIC	AL	(1)
C D. TANK, ABOVE GROUND			D. BIOLOGICAL		(/)
E. F. LANDFILL _		1	E. WASTE OIL PROCES F. SOLVENT RECOVER		06 AREA OF SITE
II G. LANDFARM		i	G. OTHER RECYCLING		(Acres)
C H. OPEN DUMP		<u> </u>	H. OTHER		
☐ I. OTHER		1	(Sp	ecify)	
07 COMMENTS					
The only building					
IV. CONTAINMENT					
11 CONTAINMENT OF WASTES (Check one)					
A. ADEQUATE, SECURE	☐ B. MÓDERATE		QUATE, POOR		IRE, UNSOUND, DANGEROUS
groundwater to	BARRIERS, ETC. are carried the Public U	from, a well.	s yet, an u	videntifie	d source via
V. ACCESSIBILITY					
01 WASTE EASILY ACCESSIBLE: YE	S TO NO				
/I. SOURCES OF INFORMATION (Cre sa	pecific references, e.g. state files, sar	mple analysis, /epo/ts)	<u> </u>		
Illiners EPA Land Divis	ion Files ter Supply Files				
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POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

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01 PERMEABILITY OF UNSATURATED Z	ONE (Check one)	· · · · · · · · · · · · · · · · · · ·			'''''
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VII. SOURCES OF INFORMATION (Cité apacific referencée, e.g., state files, sample analysis, rep

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	PO	TENTIAL HAZ	ARDOUS WASTE SITE	I. IDENTIF	
\$EPA		SITE INSPI		SITE NUMBER 981956469	
	PART 9 -	GENERATOR/1	FRANSPORTER INFORMATION		
II. ON-SITE GENERATOR					
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II. CURRENT OWNER(S)			PARENT COMPANY (If applicable)		 			
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5 СТУ	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE			
II. PREVIOUS OWNER(S) (Last most recent	first)		IV. REALTY OWNER(S) (# applicable: 1	let most recent first)				
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5 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE			
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Tilliners EPA Public Water	Supply A	iles						

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I. IDENTIFICATION **POTENTIAL HAZARDOUS WASTE SITE SEPA** 01 STATE 02 SITE NUMBER SITE INSPECTION REPORT D 981956 469 **PART 10 - PAST RESPONSE ACTIVITIES** II PAST RESPONSE ACTIVITIES (Continued) 01 G. R. BARRIER WALLS CONSTRUCTED 02 DATE __ 03 AGENCY _ 04 DESCRIPTION Not Applicable 01 C S. CAPPING/COVERING 02 DATE __ 03 AGENCY 04 DESCRIPTION N.1. Applicable 01 T. BULK TANKAGE REPAIRED 04 DESCRIPTION 02 DATE 03 AGENCY_ All Applicable 01 ☐ U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION 02 DATE _ 03 AGENCY_ Not Applicable 01 T V BOTTOM SEALED 02 DATE __ 03 AGENCY_ 04 DESCRIPTION N. 1 Applicable 01 Z W. GAS CONTROL 02 DATE 03 AGENCY_ 04 DESCRIPTION Not Applicable 01

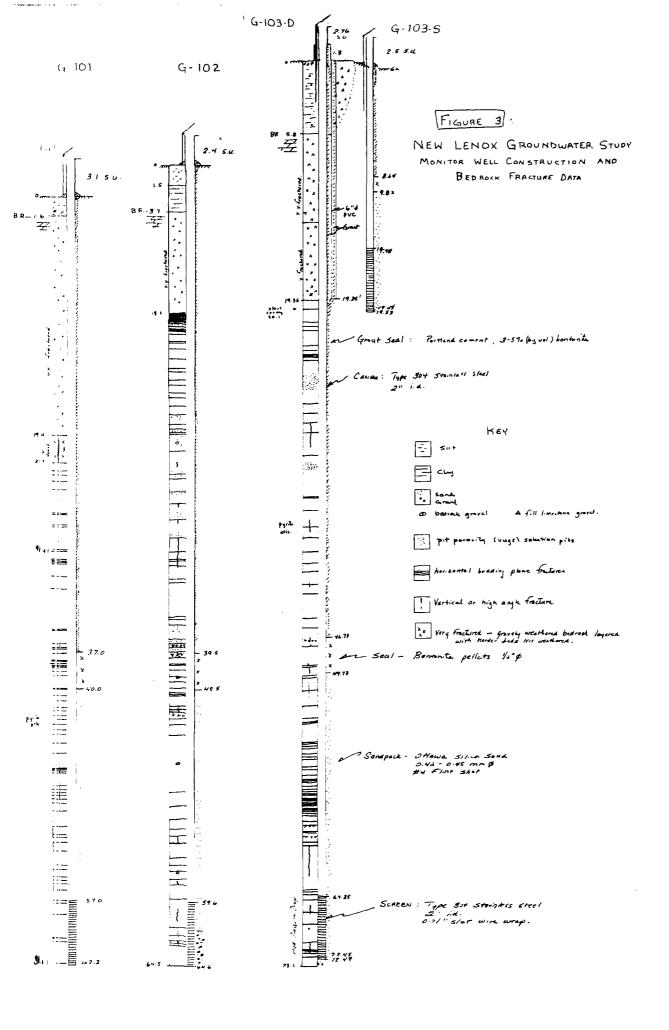
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04 DESCRIPTION 03 AGENCY_ 02 DATE_ Not Applicable 01 ☐ 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION None 02 DATE ___ 03 AGENCY_

III. SOURCES OF INFORMATION (Cite apacific references, e.g., state files, sample analysis, reports)

THEORY EPA LAND DIVISION FILES THEREIS EPA Public Water Supply Files

APPENDIX C MONITOR WELL INSTALLATION LOGS

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		Illinois Environmental Protection Agen	су	Fi	eld	Bo	ring	Lo	og	Page of/_
	Site Fil	le No.: County Wi	L	. Bori	ng N	lo	8-		Mo	onitor Well No. <u>G101</u>
	Site File	le Name NEW LENOX PWS WELL #4		. Suri	face	Elev	·		c	ompletion Depth 62.6
.						ڪ	3/4	- 10	9. 8 5	, '
		No								Rotary Depth <u>62.0'</u>
	Quadra	angle <u>MokeNA 7.5</u> Sec. T. <u>35</u> R		Date	e: St	art	_ <u>5</u> 7	/3/	88	Finish <u>5/5/88</u>
ļ	Boring	Location North ft of Pws #4 (see	map)	- [MAG	PLE	S		Personnel
					Q	overy	/_/	/SwS/	_	G-JIMORSE D-BOSIE, TOLAN
-	Drilling	3-3/4 ID 5'Cont. Smplr 55/8" To Equipment 75', 6-1/4 HSA 10'X3''Con Bornel		Sample No.	Sample Type	Sample Recovery	Penettomete	N Valvesdo	A or HNL adings	H - HALFORD, COLANIAM H - MOLONEY, TRW.N
	Elev.	DESCRIPTION	Depth in fee	t San	Sarr	San	\eq	/ <u>2</u> \	Vo.	REMARKS
		(0.0.1.6) SILT; someched ig. dolost. gv/.	<u></u>	寸		7'				
	-	(1.6-12.0) DOLOSTONE BEDROCK; V. Weathered, fractured, & yel-brn. dolostone	F =	7	6.5	3,			B.4.	
]:	-	tragmented in a soney matrix, weathered	E	=	3 2					augus @ 18.85'
	- - i	enimby sandstone bed - brn-yel or e 3 4'- 3.7'	-	4	H CA W					priber to coring ,
ŀ		(Niagaran - Silurian)	E 10 -	3	10 6				RG.	Reamed borehole w/
[-	1/2.0 - 14.0) DOLOSTONE - Weethered Lyel-brn. 14.0 - 15.0) DOLOSTONE - Y. Weethered Soft.	E	\exists	3/4" I				~4,	614"ID HSA to
1	-	(150-18.9) DOLOSTONE - SI. Weathered hard	-15-	7		7				13.22 -31
1		augering-	F	1	£ 5					
	_	(18.9 -) DOLOSTONE - dense finder	<u> </u>	\exists	(0	, ,	3			*
1	:	XIn., I grey and I yel-brn, with	F	#	RE	6	Yer.		84	
É	· 	abundand flat and convoluted	-25-]_	 	Ļ	3.6		-	
		bodding plane fractures and fewer vertical fractures. Some zones	E	E	C]
	_ [of porous, fossiliferous reef	E_30-	∃ .	R	0	0	18/		
		structures separated by dense finely	E	7	E	0,	2.56	,		-
-	·	XIn. dolostone.	F	7			1	6		
-	-	(Crinoids and brachio pods were observed) -35 -	Ŧ	C					1 -
E		•	E	4	0	,		2	1	
-	-	(Niagaran - Silurian)	F-40 -	#	R	0.0	0.36	12800		
-	.	@47.4 - 52,1	F	7		`	0	0		
-	- 1	Frecturer one Feoride Vasius por.	_45-	}-	+-	-	-	 `	-	4
-		(py nte) costs to santy Continuer	E	E	8					
E		calcar non top of pyrite. 52.8-58.34	E50.	4	RE	ò	30	3		
=	.	Some vugs have dolomite XHS.	þ	#	•	10.0	0.38	//21		
-		-	F	7				9		
_	-		-55·	+	C			-		†
=			E	E	0	0	0.78	900	4	
-	-		E60-	1	RE	7,0	0	1:0	1	h
Ē		END BORING @ 62.0 ft. bgg.	‡	#	+-	+	-	+	 	
١.	_	0	F-65-	4						
ļ-		,	F]	-					
F	:_		E.	\exists						
E	-		E	=						

	Illinois Environmental Protection Agen	cy .	Fi	eld	Bor	ing	Lo	og	Page of		
Site Fil	e No : County VILL		Bori	ng N	0	<i>8-</i>	2	Mo	onitor Well No. <u>G /02</u>		
Site Fil	e Name <u>NEW LENOX PWS #4 CONTAMIN</u>	AFION	Surface ElevCompletion Depth <u>64.5</u>								
Fed. ID	. No		Aug	er D	epth	_/	0.3	, ,	Rotary Depth 64.5		
	angle - <u>Moke NA</u> Sec. 16 T. <u>35 N.</u> R							80			
	Location ft. sw of of sw corn.	•	\vdash	<u>۶</u> ا	MAi				Personnel G - J. Morse		
Dr lling	most abandoned studen pits - Swof Equipment	wuter	Se No	Sample Type	Sample Recovery	Penetrometer	ives (Blow	or HNU dings	G- J. MORSE D- K. BOSIE H-TOLAN HALIFORD H-Colombine Irwn REMARKS		
E ev.	DESCRIPTION	Depth in feet	Sample	Samp	Samp	Penet	N N	OVA rea	REMARKS		
	(0 0 - 1.5 512T, Lyel-brn, (1.5 - 3.7) Ody-clay to CL-sand - 2 brn-yel	:	1								
	(3.7-40.6) DOLOSTONE BEDROIK.	<u> </u>	1	, , ,							
_	Lyel-bin. V. fractured and weathered to "12"	E] :	3	7 12/							
	(outerop ~ 200' & beds one ~ 0.5' thick.)	E	1	Aug							
-	thinly hedded, becomes I tangey and liquey	F 10	1		`				NW Casing set @ 11.93		
	Dolostone w/ vuggy fossilit reef bedr	F :	1	5	4.7						
-	~ 1' thick I ten interspersed in dense	15	}	v	64						
	they XIn. Igry dolostone	:	‡	Lor			l	1			
-	Cibundant bodding plane (convoluted)	-20-	1				-		drilling water		
	fracturer. m/ lblu-green clay	E	3	10.0	الم برد				white "		
-	planer; few vertical Fractures	25 -	‡		9.6						
	,	E :	3	Core					,		
-		30-	}-	+-			-	┼─	drilling water		
		F :	7	0					color O to tan		
.		35	3	0,	0.0				'		
	,	 	‡	Core	`						
		<u>-</u> 40	}-	-			\vdash	+	1		
Ī	(40.6-50.3) Dolostone: 2 grey fry x/n.	†	4	0	 				drilling water white		
-	dense we ruggy met structures	45	E	0,	6						
ł	vert. freques, le ox. on fracture planes	E :	3	5	`						
·		50 -	‡_	15			-	-	<u> </u>		
ŀ	(50.3-) Dolo timized Limestone;	E	3	0	\			1	"		
_	I tongray, fully XIn. convolted closed bedding plane Fracturer (few open)	-50-	∄ .	9	0				j		
	fewer bpf. as compared to above 10'	‡	‡	1	9				@59.5' Water Press		
	tun.	E 60 -	1	ુ					drop from 240 p		
-		E	1	4	7				Note asome ever		
		<u> </u>	1_	24.5	1		_		as in B.1		
-	ENU BORING & 64.5'	<u> </u>] [
		E	3								
-		F 7	‡								
		E	\exists								
	•	_	_	ı	1	1	;	,	•		

		Illinois Environmental Protection Agen	су	Fi	eld	Boi	ring	, Lo	og	Page/ of/
	Site Fil	e No.: County _ WILL		. Bori	ng N	lo	B	<u> 3</u>	. Mc	onitor Well No. <u>G /03-S</u>
	ŀ	e Name <u>NEW LENOX PWS#4 CONTAMINATION</u>								
1.1	Fed. ID	No		Aug	er D	epth	1	9. <u>5</u>	. ,	Rotary Depth
	Quadra	ingle <u>Moiseiva</u> Sec. <u>14</u> T. <u>35/V</u> R	<u>11 E</u>	Date	e: St	art .	5/	24		Finish <u>5/25</u>
	Boring	Location NE edge of Nend of Oak St. on S. S.	de			MA	PLE			Personnel
	01 E	wrunning Metro RR.; just NW of New Lenex Trave		١	уре	Sample Recovery	eter	(Blows)	NO.	G - J. marse D - K. Bosic H - B. Halford H - Clantino ; Irwin REMARKS
	Drilling	Equipment CME 75; 614 "ID HSA; Rfa	1.5	Sample No.	Sample Type	Pe R	Penetrometer	alves	or H ading	H-Colontino ; Irwin
	Elev.	DESCRIPTION	Depth in feet	Sam	Sam	Sam	Pene	ž	OVA re	REMARKS
	-	3.0-5.8' Fill/ CI-sdy suit w/ pebbles yel-brn.	- 5		76 01.4.				BG I unit	
	<u>-</u>	5.8- DOLOSTONE BEDECK V. Very Fractured Lyel-brn. dolostone, Thinly bedded hard soft	10		Co - Core					Their perchase (set) gone in bediet.
	- - -	Zones	15 -		MATO HEA	7				Gasoline Contominular
	<u>-</u>	hara@ 19.5'-19.5'	E :	=	24				50+ units	Sedimento @ 15.0'
	-	END BORING Q 19.5'	20 -	1						
`. .) 1.	-		E :	=						
	-		F -	╡ .						
	-		E	E	ļ					
1	-		-	=	}					
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-	:		F	7						
-	:		F	7			·			
	-		F	7				}		
	:		F	7			1			
	<u> </u>		F -	7						
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-	.		F	7				1		

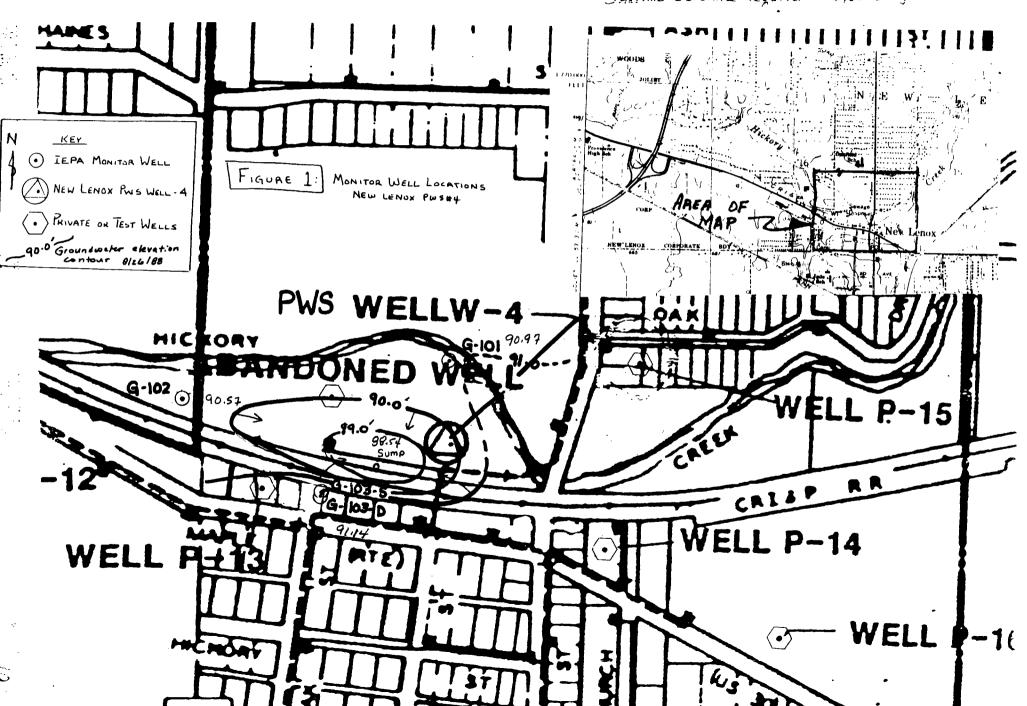
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	Illinois Environmental Protection Agend					_		_	Page of
Site Fil	e No: County WILL		Borir	ng N	0	<u>B-3</u>	36	Мо	nitor Well No. <u>6 /03-0</u>
Site Fil	e Name NEW LENOX PWS#4 CONTAMINATION	N	Surf	ace	Elev	·		C	ompletion Depth
Fed. ID	. No		Aug	er D	epth	19	7.3	<u>5'</u>	Rotary Depth 73.1
Quadra	angle Mok <i>ena</i> Sec. <u>Ko</u> T. <u>35 N</u> R.	115	Date	: St	art .	<u>5/3</u>	27/	88	Finish <u>6/3/89</u>
Boring	Location 5 of G103-S-5' NE cage of N. Oa	<u>4. St.</u>			AM	_			Personnel
ر <u>ي د</u>	5. side of E-W Metro RR. ; just NW of New Lens new . Style RRB Equipment CME 75, 6 14 "ID HS A; Rfa ; 4"X10 Core barrel		1	е Туре	Sample Recovery	Penetrometer	ves (Blows)	r HNU lings	G - J. MORSE D - Dale Halford. H - A. Colantino H - R. Irwin REMARKS
Elev.	DESCRIPTION	Depth in feet	Samp	Samp	Sampl	Penetr	N Val	OVA C	REMARKS
=	(0.0. 5.8) Gravel file over bly clay w/ pebble, converte sta. (file).								
<u>-</u> -	5.8-19.5) Polostone bedrock lyel-brn. Y.V. weathered and fractured to 13'	- 5 -							
-	then refractioned to 19.5! Thiny bedded my hard + buft zones.	15 -					 -		
	Niagaran-Silurian	_ _ _ ~ -	1_						Summer 6"es & M. 35"
-	(19.6-) <u>Dolostope</u> - fully XIn etan grey and tan we abundant convoluted bedding place flatures.	25 -		7 3	6.3				
- - - -	Some vertical frecturer. Some	_ 30 _	-						
- - -	in the finely Kin. Lyrry dolost/15. Zones. Some fractures we about great			28	0,				
	clay on fractive planes - some with Fe exidation and pyrite and	<u> </u>	<u>-</u>	-	-				When more water to keep one whateri.
-	Rindony dolost. Xtls. Niaganh - Silvian	- - - - 45 -		3	ó				
	in James a granter	50 -		3	9,				
		- - 55 - -	† - -	3				-	
		65		46	:				
	59 + 64.6 - 68.1	70.	<u> </u>	3	6.6			1	67-70 2090+ cuic.
	END BORING & 73.1'	F	7		1	1	+	1	

APPENDIX D GROUNDWATER FLOW DIAGRAM AND MEASUREMENTS

 $\P_{t-\frac{1}{2},\frac{1}{2}}$

8/26/83 water levels.

Shallow dolomite aguifer - flow diagram.



Ilimois Environmental Protection Agency

County: W.II	Site File Name: New Leaves Public well #4	Site File Number: 197000000
Date:	Sample Crew: Rich Lange	Weather Conditions:

Well #	Length of well casing	Field check of well length	Water Level	# of feet of water in well*	# of gals in well**	# of gals removed	Top of Casing Elevation***	Groundwater Elevation
6-101	65.10 ft.	65.00 ft.	8.91 ft.				100.00	91.09
G-102	66.90 ft.	66.80 ft.	10.7.3 ft.				101.67	90.94
G-103	75.86 ft	75.044+	19.10 ft.				110.62	91.52
		•						

^{*}Well casing total length - water level = # of feet of water in well

^{**6.13} ft. per gal for a 2" diameter well

Illinois Environmental Protection Agency

County:	Site File Name: New Lewex Public Well #4	Site File Number: <u>L 19 70000000</u>
Date:	Sample Crew: Greg Dunn, John Morgan	Weather Conditions: Sunny Hot = 900

Well #	Length of well casing	Field check of well length	Water Level	# of feet of water in well*	# of gals in well**	# of gals removed	Top of Casing Elevation***	Groundwater Elevation
G-101	65.10 ft.		11.45 ff.				100.00	88.55
6-102	66.90 St.		10.34 14.				10167	91.33
6-103	75.86 ft		18.21 #				110.62	92.41
	-X (), b	C. T.	1 1 2/. 1	- 1				
	Dewatering of	Sewage Trea (p.t) trench for enox Public	r sewer lines	is started				
		•						

^{*}Well casing total length - water level = # of feet of water in well

^{**6.13} ft. per gal for a 2" diameter well

		Site File Name: NEW LENOX PWS#4			# 4	Site File Number: /99000 0000		
		Sample Crew: MORSE, TOLAN, Vantook						
Well #	Length of well casing	Field check of well length	Water Level	# of feet of water in well*	# of gals in well**	# of gals removed	Top of Casing Elevation***	Groundwater Elevation
G-101			9.03				/00.00	90.97
G-102			11, 10				101.67	90.57
G 103-S			**				110.20	
G 103-D			19.48				110.62	91.14
SumP			13.58				/02.12	88.54
Hickory Creek Wh			Chelow	el measured on a	ceso ladden .			~ 91.0

^{*}Well casing total length · water level = # of feet of water in well

^{**6.13} ft. per gal for a 2" diameter well

^{**} Couldn't get water level - water in dealdicated bailer @ bottom of well - Pulled bailer O.B' of "oily" product d. brown over ~1.5' water in bailer.

Ille is Environmental Protection Agency

Well Development and Water Level Form

County:	Site File Name: New Lenox Public In 1811 *4	Site File Number: <u>4197000000</u>
Date: March . 3 , 1999	Sample Crew:	Weather Conditions: Courcast, Cost = 300

Well #	Length of well casing	Field check of well length	Water Level	# of feet of water in well*	# of gals in well**	# of gals removed	Top of Casing Elevation***	Groundwater Elevation
6-101	65.10.H.	65.16 H.	8.50 H.				100.00	91.50
G-102	66.90ft.	66.83 ft.	10 93 ft.				101.67	90.74
6-103	75.86.54	74.97 ft.	19.06 ft				110.62	91.56
		-						
		•						
			 					

^{&#}x27;Well casing total length - water level = # of feet of water in well

"6.13 ft. per gal for a 2" diameter well

III is Environmental Protection Agency

County:	W.11	Site File Name:	New Lemon P. H. We.	Site File Number:	21974000000
Date:	March 28, 1989	Sample Crew:	Gree Dunn, Kew Corkill Fohn Mergan	Weather Conditions:	Evenast Cool 2500

Well #	Length of well casing	Field check of well length	Water Level	# of feet of water in well*	# of gals in well**	# of gals removed	Top of Casing Elevation***	Groundwater Elevation
G-101	65.104	65.06 H.	10.12 ft.	54.98 4.	8.97 yallows	42 gallons	100.00	89.88
6-103	66.90 St	66.80 ft.	10.70 ft	56.20 A.	9.17 gollows	45 gallows	101.67	90.97
G-103	75.86 A.	74.94 ff.	18.54.44	57.32 ff.	9,35 gallons	45 gallons	110.62	92.08
		•						

^{*}Well casing total length - water level = # of feet of water in well

^{**6.13} ft. per gal for a 2" diameter well

APPENDIX E TARGET COMPOUND LIST

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TARGET COMPOUND LIST

Volatile Target Compounds

Comp	ound	Water CRDL	Soil/Solid CRDL
1.	chloromethane	10 ug/1	10 ug/kg
2.	bromomethane	10	10
3.	vinyl chloride	10	10
4.	chloroethane	10	10
5.	methylene chloride	5	5
6.	aceto ne	10	10
7.	carbon disulfide	5	5
8.	1,1-dichloroethene	5 5 5 5 5 5	5 5 5 5 5 5
9.	1,1-dichloroethane	5	5
10.		5	5
	1,2-dichloropropane	5	5
12.		5	5
	1,2-dichloroethane		5
14.		10	10
15.	1,1,1-trichloroethane	5	5 5
16.		5	
17.	vinyl acetate	10	10
18.	dichlorobromomethane	5 5 5 5 5 5	5
19.	c-1,3-dichloropropene	5	5 5 5 5 5
20.	trichloroethene	5	5
21.	benzene	5	5
2 2 .		5	5
	1,1,2-trichloroethane	5	5
2 4 .	t-1,3-dichloropropene	5	
2 5 .	2-chloroethyl vinyl ether	10	10
2 6 .	bromoform	5	5
27.		10	10
2 8 .		10	10
	1,1,2,2-tetrachloroethane	5	5
30.	tetrachloroethene	5	5
31.	toluene	5 5 5 5 5 5	5 5 5 5
32.	chlorobenzene	5	5
3 3 .	ethylb enzene	5	5
34.	styrene	5	.5
3 5 .	total xylenes	15	15

CRDL - Contract Required Detection Limit

4 ,,

Base/Neutral Target Compounds

١.		CRDL	CRDL
	Hexachloroethane	10 ug/1	330 ug/kg
2.	Bis (2-chloroethyl) ether	10 ag/1	330 1197 kg
3.	Benzyl Alcohol	10	330
4.	Bis (2-chloroisopropyl) ether	10	330
5.	N-nitrosodi-n-propylamine	10	330
6.	Ni trobenzene	10	330
	Hexachlorobutadiene	10	330
8.	2-Methylnaphthalene	10	330
9.	1,2,4-trichlorobenzene	10	330
10.	Isophorone	10	330
11.	Naphthalene	10	330
	4-Chloroaniline	10	330
	Bis (2-chloroethoxy) methane	10	330
	Hexachlorocyclopentadiene	10	330
		10	330
	2-chloronaphthalene 2-Nitroaniline	50	1600
			330
	Acenaphthylene	10	
-	3-Nitroaniline	50	1600
	Acenaphthene	10	330
	Dibenzofuran	10	330
	Dimethylphthalate	10	330
	2,6-Dinitrotoluene	10	330
_	Fluorene	10	330
	4-Nitroaniline	50	1600
	4-Chlorophenyl-phenyl ether	10	330
	2,4-Dinitrotoluene	10	330
27.	Diethylph thalate	10	330
28.	N-Nitrosodiphenylamine ·	10	330
29.	Hexachlorobenzene	10	330
30.	Phenanthrene	10	330
31.	4-Bromophenyl-phenyl ether	10	330
	Anthracene	10	330
33.	Dibutylphthalate	10	330
	Fluoranthene	10	330
	Pyrene	10	330
	Butyl benzyl phthalate	10	330
	Bis (2-ethylhexyl) phthalate	10	330
	Chrysene	10	330
	Benzo (a) anthracene	10	330
	3.3'-Dichlorobenzidene	20	660
-	Di-n-octyl phthalate	10	330
	Benzo (b) fluoranthene	10	330
	Benzo (k) fluoranthene	10	330
	Benzo (a) pyrene	10	330
		10	330
	Indeno (1,2,3-cd) pyrene	10	330
	Dibenzo (a,h) anthracene		330
	Benzo (g.h.1) perylene	10	
	1,2-Dichlorobenzene	10	330
	1,3-Dichlorobenzene	10	330
50.	1,4-Dichlorobenzene	10	330

 $q_{\rm inj,r}$

Acid Target Compounds

Comp	pound	Water CRDL	Soil/Solid CRDL	
,		50 / 3	1600	
1.	Benzoic Acid	50 ug/1	1600 ug/kg	
2.	Pheno1	10	330	
3.	2-chlorophenol	10	330	
4.	2-nitrophenol	50	1600	
5.	2-methylphenol	10	330	
6.	2,4-dimethylphenol	10	330	
7.	4-methylphenol	10	330	
8.	2,4-dichlorophenol	10	330	
9.	2,4,6-trichlorophenol	10	330	
10.	2,4,5-trichlorphenol	50	1600	
11.	4-chloro-3-methylphenol	10	330	
12.	2,4-dinitrophenol	50	1600	
13.	2-methyl-4,6-dinitrophenol	50	1600	
14.	Pentachlorophenol	50	1600	
15.	4-nitrophenol	50	1600	

Pesticide Target Compounds

Compound		Water CRDL	Soil/Solid CRDL
١.	alpha-BHC	.05 ug/1	8.0 ug/kg
2.	beta-BHC	.05	8.0
3.	delta-BHC	.05	8.0
4.	Lindane (gamma-BHC)	.05	8.0
5.	Heptachlor	.05	8.0
6.	Aldrin	.05	8.0
7.	Heptachlor epoxide	.05	8.0
8.	Endosulfan I	.05	8.0
9.	4,4'-DDE	.10	16.0
10.	Dieldrin	.10	16.0
11.	Endrin	. 10	16.0
12.	4,4'-DDD	.10	16.0
13.	Endosulfan II	. 10	16.0
14.	4,4'-DDT	. 10	16.0
15.	Endrin aldehyde	.10	16.0
16.	Endosulfan sulfate	.10	16.0
17.	Methoxychlor	. 50	80.0
18.	Chlordane	. 50	80.0
19.	Toxaphene	. 50	80.0
20.	Arochlor-1016	1.0	160.0
21.	Arochlor-1221	. 50	80.0
22.	Arochlor-1232	. 50	80.0
23.	Arochlor-1242	. 50	80.0
24.	Arochlor-1248	. 50	80.0
25.	Arochlor-1254	1.0	160.0
26.	Arochlor-1260	1.0	160.0

Inorganic Target Compounds

<u>Metals Analys</u>	es (CRDL)-ug/l*	Other Inorganics
Aluminum	200	Cyanide
Antimony	60	Sulfide
Arsenic	10	Pheno1 s
Barium	200	Nitrogen-Ammonia
Beryllium	5	Nitrogen, Total Kjeldahl
Cadmium	5 5	Nitrogen-Nitrate
Chromium	10	Boron
Cobalt	50	рH
Copper	- 25	·
Iron	100	
Lead	5 15	
Manganese	15	
Mercury	0.2	
Nickel	40	
Selenium	5	
Silver	10	
Thallium	10	
Vanadium	50	
Zinc	20	

*Any analytical method specified in the Quality Assurance Project Plan (QAPP) may be utilized as long as the documented instrument or method detection limits meet the Contract Required Detection Level requirements. Higher detection levels may only be used in the following circumstance:

If the sample concentration exceeds two times the detection limit of the instrument or method in use, the value may be reported even though the instrument or method detection limit may not equal the CRDL. This is illutrated in the example below:

For lead:

 $v_{L_{1}, \ldots}$

41,11

4 .

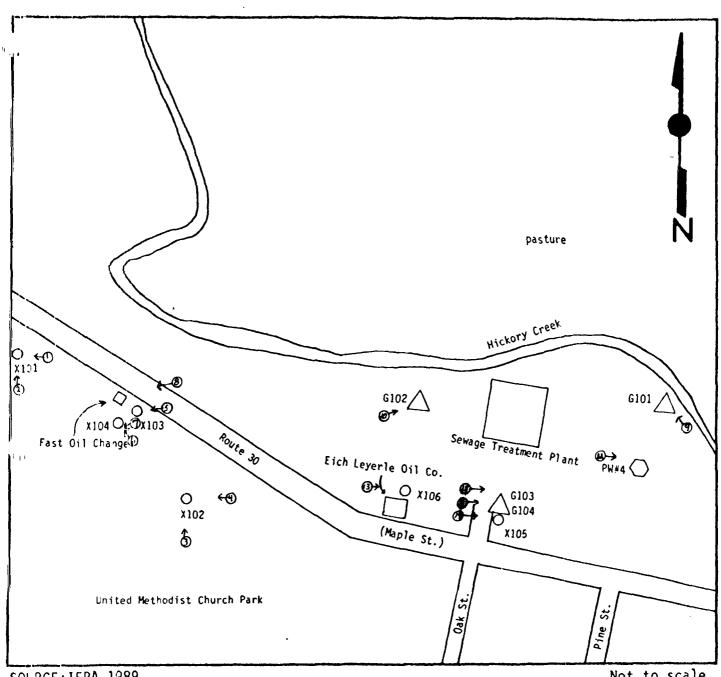
Method in use -- ICP
Instrument Detection Limit (IDL) = 40
Sample Concentration = 85
Contract Required Detection Level (CRDL) = 5

The value of 85 may be reported even though instrument detection limit is greater than required detection level. The instrument or method detection limit must be documented as described in Form IIIX.

These CRDL are the instrument detection limits obtained in pure water that must be met using ICP/Flame AA or Furnace AA. The detection limits for samples may be considerably higher depending on the sample matrix.

APPENDIX F IEPA SITE PHOTOGRAPHS

 \boldsymbol{q}_{i+1}



SOURCE: IEPA, 1989.

Not to scale.

Monitor Wells Public Well Soil Samples

DATE: March 28,1989
TME: 5:10 P
Photograph by:
Greg Dunn
Location: ILD 981956469
11970000000 Will County
New Lenox Public Well#4
Comments: Picture taken toward
West at sample point XIOI
Behind DANWAY Motors
340 Maple Avenue



DATE: MARCH 28,1989

TIME: 5:10p

Photograph by:

Greq Dunn

Location: ILD 981956469

L19700000000 -- Will County

New Lenox Public Well # 4

Comments: Picture taken toward

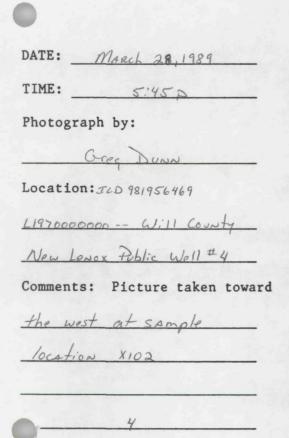
Northwest at sample point

XIO 1 Behind Danway Motors

340 Maple Avenue



DATE: MARCH 28, 1989
IME: 5:45 P
Photograph by:
Greg DUNN
Location: ILD 981956469
41970000000 Will County
New Lenox Public 4/11#4
Comments: Picture taken toward
the north at sample
location X102
3

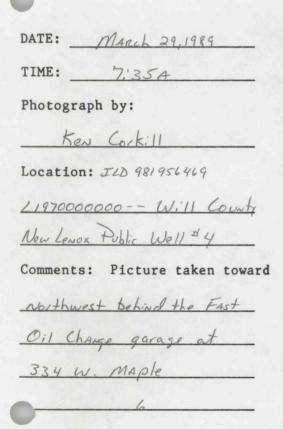


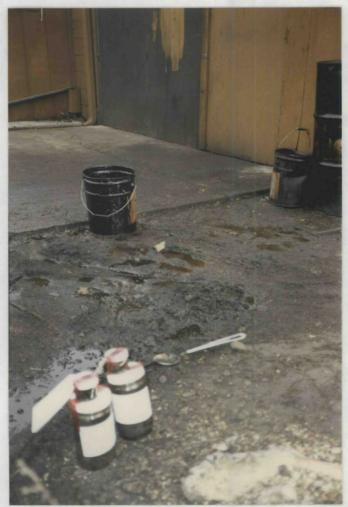




DATE: MARCH 29,1989
TIME: 7:20 A
Photograph by:
Ken Corkill
Location: JLD 981956469
11970000000 Will County
New Lenox Public Well #4
Comments: Picture taken toward
west at a pipe that leads
from the Fast oil change
garage 334 W. Maple
5







DATE: March 29,1989
TIME: 7:35 A
Photograph by:
Ken Cork:11
Location: ILD 981956469
11970000000 Will County
New Levex Public Well #4
Comments: Picture taken toward
Southwest behind the Fast
Oil Change garage
334 w. maple



DATE: March 29, 1989

TIME: 7:40 A

Photograph by:

Ken Corkill

Location: ILD 981956469

L1970000000 -- Will County

New Lever Public Well # 4

Comments: Picture taken toward

Southwest at the Front of

the FAST Oil Change



8

DATE: MARCH 29,1989
TIME: 8:25 A
Photograph by:
Ken Corkill
Location: ILD 981956469
21970000000 Will County
New Lenox Public Well #4
Comments: Picture taken toward
Northwest at monitor well
C~101
9



DATE: MARCH 29,1989

TIME: 9:10A

Photograph by:

Ken Corkill

Location: ILD 981956469

L1970000000 -- Will County

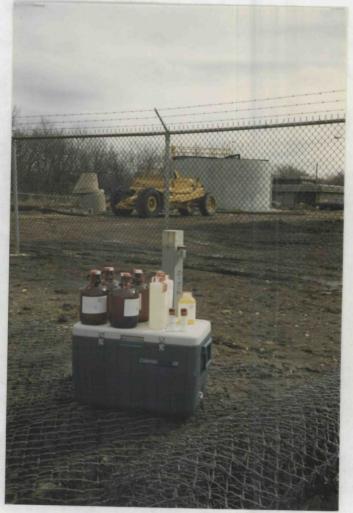
New Lenon Public Well #4

Comments: Picture taken toward

Northeast at Monitor Well 6102

New Lenon treatment plant is

IN the hackground



DATE: MARCH 29,1989		
TIME: 9150A		
Photograph by:		
Ken Cockill		
Location: J2D 981956469		
21970000000 Will County		
New Lenox Public Well #4	三 图题 】 医药	
Comments: Picture taken toward		TX
east at well 6103, the		
deep well		
DATE: MARCH 29,1989		
TIME: 11:20 Am		

DATE: MARCH 29,1989

TIME: 11:20 Am

Photograph by:

Ken Carkill

Location: ILD 981956469

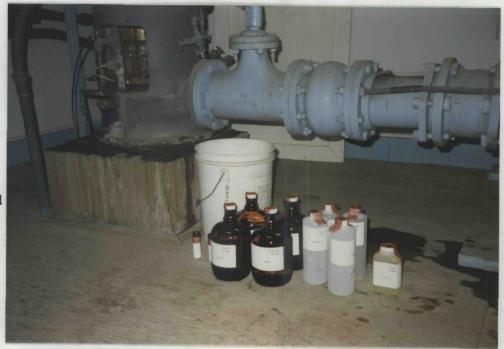
L1970000000 -- Will County

New Lenox Public Well #4

Comments: Picture taken toward

CAST inside Wellhouse For

New Lenox Public Well #4



DATE: March 29, 1989
TIME: 12:30P
Photograph by:
Ken Corkill
Location: JLD 981956469
41970000000 Will County
New Lewax Public Well #4
Comments: Picture taken toward
east at Sample point X106
behind Each Leverte Oil Co.



DATE: March 29,1989

TIME: 1:15 p

Photograph by:

Ken Cork:11

Location: ILD 981956469

21970000000 - Will County

New Lenox Public Well #4

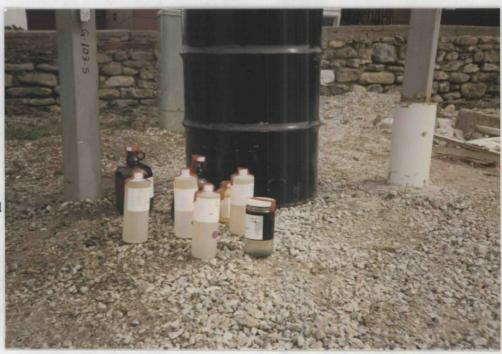
Comments: Picture taken toward

east at monitor well 6-103s

and 0,103 D. 6-1035 monitor

well was designated sample

104. Sample pt. X105 in lower Right 14. Hand corner



DATE: MARCH 29,1989
IME: 1:15 P
Photograph by:
Ken Corkill
Location: ILD 981956469
L1970000000 Will County
New Lenox Public Well #4
Comments: Picture taken toward
east at monitor wells
G1035 and G1030 - G1035
WAS labelled sample point
6-104
15
DATE:
TIME:
Photograph by:
Location:
Comments: Picture taken toward



APPENDIX G WELL LOGS

1910

A 16-in, diameter hole was drilled to a depth of 86.5 ft and finished 12 in, in diameter from 86.5 to 325 ft. The rell is cased with 16-in, pipe from land surface to a depth if 18.8 ft and 12-in, pipe from land surface to a depth of 66.5 ft (comented in).

A production test was conducted by the driller on April 14, 1961. After 3.8 hr of pumping at rates of 302 to 401 pm, the drawdown was 79.0 ft from a nonpumping water rivel of 40.5 ft below land surface. Pumping was continued for 4.2 hr at a rate of 302 gpm with a final drawdown of 41.0 ft.

A production test was conducted by the Wehling Well Work: Beecher, on March 16, 1972. After 6.8 hr of pumping at rates of 240 to 300 gpm, the drawdown was 108 ft from a nonpumping water level of 57 ft below the top of the cesting.

Or March 25, 1976, the well reportedly produced 300 ppm with a drawdown of 56 ft from a nonpumping water avel of 72 ft.

The pumping equipment presently installed is an 8-in., tistage Lawne turbine pump with a Johnston pump head set it 140 ft, rated at 300 gpm at about 171 ft TDH, and powered by a 25-ho General Electric motor.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. B29594) is for a water sample from the well collected January 26, 1976, after 24 hr of pumping at 230 gpm.

WELL NO. 3, LABORATORY NO. 829594

		mg/l me/l	mg/l me/l
Iron	Fe	2.8	Silica SiO ₂ 12
Mangarie se	Mα	0.02	Fluoride F 0.4 0.02
Arnmonium	NH4	0.95 0.05	Boron B 0.6
f odiu ti	Na	44 1.91	Cyanide CN 0.00
Lotassium	K	5.8 0.15	Nitrate NO ₃ 0.04 0.00
Calcium	Ca	230 11.48	Chloride CI 2.0 0.06
! lagne sium	Nig	62 5.10	Sulfate SO ₄ 660 13.73
			Alkalinity (asCaCO ₃) 272 5.44
Arsen c	Δ5	0.00	Hardness(asCaCO ₃) 829 16.58
Harium	Ba	0.1	
Cadm um	Cd	0.00	Total dissolved
C* rom um	Cr	0.00	minerals 1208
Copper	Cu	0.00	
i ead	Pь	0. 0 0	pH (as rec'd) 7.9
ffercury	⊢g	0.0000	Radioactivity
Micke	Ni	C1. O	Alpha pc/l 3.7
Unriuele;	Şe	0.00	± deviation 3.7
Silver	Αg	0.00	Beta <i>pc/l</i> 17.2
inc	Zn	୍.୦	± deviation 4.3

WELL NO. 4, open to the Silurian dolomite, was completed in February 1972 to a depth of 300 ft by the Wehling Well Works, Beecher. This well is available for emergency use. The well is located east of Cedar Road and south of Hickory Creek, approximately 985 ft N and 350 ft W of the Electron of Section 16, T35N, R11E. The land surface elevation at the well is approximately 625 ft.

A drillers log of Well No. 4 follows:

•	Thickness	Deptk
Strata	(ft)	(ft)
Drift	12	12
Lime	282	294
Shale	6	300

A 16-in, diameter hole was drilled to a depth of 12 ft, reduced to 13.4 in, between 12 and 57 ft, and finished 10 in, in diameter from 57 to 300 ft. The well is cased with 14-in, pipe from land surface to a depth of 12 ft and 10.8-in, pipe from land surface to a depth of 57 ft (cemented in).

A production test was conducted by the driller on February 18, 1972. After 11.8 hr of pumping at rates ranging from 102 to 156 gpm, the final drawdown was 242 ft from a nonpumping water level of 3 ft below the top of the casing. Fifteen min after pumping was stopped, the water level had recovered to 7 ft.

The pumping equipment presently installed is a Layne pump rated at 190 gpm, and powered by a 25-hp General Electric motor.

A partial analysis of a sample (Lab. No. 187890) collected February 24, 1972, after pumping for 24 hr at 133 gpm, showed the water to have a hardness of 514 mg/l, total dissolved minerals of 665 mg/l, and an iron content of 1.1 mg/l.

WELL NO. 5, open to the Silurian dolomite, was completed in September 1973 to a depth of 303 ft by the Wehling Well Works, Beecher. This well was purchased from the Laraway Utility Co. in April 1978. The well is located on the east side of Nelson Road about 1000 ft north of Laraway Road and 200 ft south of the intersection of Shagbark Road just east of the elevated tank, approximately 1000 ft N and 50 ft E of the SW corner of Section 28, T35N, R11E. The land surface elevation at the well is approximately 677 ft.

A drillers log of Well No. 5 follows:

Strata	Thickness (ft)	Depth (ft)
Drift	66	66
Lime	237	303

A 19.2-in. diameter hole was drilled to a depth of 68 ft and finished 15 in. in diameter from 68 to 303 ft. The well is cased with 20-in. black pipe from land surface to a depth of 19 ft and 16-in. black pipe from land surface to a depth of 68 ft (cemented in).

A production test was conducted by the driller on September 18, 1973. After 6.8 hr of pumping at rates ranging from 370 to 300 gpm, the drawdown was 135 ft from a nonpumping water level of 22 ft. After surging for about 2 hr, pumping was continued for 6.2 hr at rates ranging from 257 to 268 gpm with a final drawdown of 82 ft.

The pumping equipment presently installed is a Johnston pump rated at 285 gpm, and powered by a 25-hp U. S. electric motor.

NEW LENOX

The vidage of New Lenox (2855) installed a public water supply in 1931. Three wells (Nos. 2, 3, and 5) are in use and another well (No. 4) is available for emergency use. In 1953 there were 200 services, 89 percent metered; the average pumpage was 20,000 gpd. In 1978 there were 1790 services, all metered; the average and maximum pumpages were 400,000 and 600,000 gpd, respectively. The water is chlorinated, fluoridated, and treated with polyphosphate to keep iron in solution; in addition, the water from Well No. 3 is a so aerated and filtered.

WELL NO. 1, open to the Silurian dolomite, was completed in 1931 to a depth of 320 ft (measured in 1947 to be 308 ft deep) by Henry Boysen, Jr., Libertyville. This well was abandoned about 1975. The well is located at 109 West Joher Highway, approximately 2600 ft S and 270 ft W of the NE corner of Section 21, T35N, R11E. The land surface elevation at the well is approximately 703 ft.

A drillers log of Well No. 1 follows:

^c trata	Thickness (ft)	Depth (ft)
Ta0	58	58
Limestone (Niagaran)	167	225
Dc.omite (Alexandrian)	25	250
Dc.om.re (Edgewood)	55	305
Shale	5	310
Dc omite	5	315
Shaie	5	320

A 12-in, diameter hole was drilled to a depth of 320 ft. The well is cased with 12-in, pipe from about 1 ft above the pump station floor to a depth of 67 ft.

Upon completion, the well reportedly produced 60 gpm for 8 nr and the nonpumping water level was 41 ft below land surface.

Nonpumping water levels were reported to be 40.8 ft below the pump base in 1942; 42.8 ft on January 8, 1948; 53 ft after a 35-min idle period on November 22, 1948; and 51 ft on September 8, 1952.

A partial analysis of a sample (Lab. No. 136386) collected November 30, 1954, showed the water to have a hardness of 564 mg/l, total dissolved minerals of 607 mg/l, and an iron content of 2.4 mg/l.

WELL NO. 2, open to the Silurian dolomite, was completed in January 1951 to a depth of 334 ft by the Milaeger Well & Pump Co., Brookfield, Wis. The well is located at the northwest corner of South Pine St. and West Michigan Road, approximately 983 ft N and 763 ft W of the SE corner of Section 21, T35N, R11E. The land surface elevation at the well is approximately 703 ft.

A drillers log of Well No. 2 follows:

Strata	Thickness (ft)	Depth (ft)
G acial drift	102	102
N agara time	232	334

A 16-in, diameter hole was drilled to a depth of 20 ft and finished 12 in, in diameter from 20 to 334 ft. The well is cased with 16-in, pipe from 1 ft above land surface to a depth of 20 ft and 12-in, pipe from 1 ft above land surface to a depth of 102 ft (cemented in from 0 to 20 ft).

A production test was conducted by the driller on January 27, 1951. After 5 hr of pumping at rates of 148 to 205 gpm, the drawdown was 48 ft from a nonpumping water level of 34 ft below land surface.

On November 23, 1955, the nonpumping water level was reported to be 41 ft.

On November 10, 1966, the well reportedly produced 330 gpm for 30 min with a drawdown of 17 ft from a non-pumping water level of 50 ft below land surface.

The pumping equipment presently installed consists of a 25-hp 1800 rpm U. S. electric motor (Serial No. 2802838), an 8-in., 7-stage Layne & Bowler turbine pump set at 100 ft, rated at 300 gpm at about 204 ft TDH, and has 100 ft of 5-in. column pipe. A 10-ft section of 6-in. suction pipe is attached to the pump intake. The well is equipped with 100 ft of airline.

A partial analysis of a sample (Lab. No. 170195) collected November 10, 1966, after pumping for 30 min at 330 gpm, showed the water to have a hardness of 746 mg/l, total dissolved minerals of 1125 mg/l, and an iron content of 0.9 mg/l.

WELL NO. 3, open to the Silurian dolomite, was completed in April 1961 to a depth of 325 ft by the Layne-Western Co., Aurora. This well was purchased from the Illinois Municipal Water Co. about 1972. The well is located about 200 ft west of Well No. 2, approximately 957 ft N and 919 ft W of the SE corner of Section 21, T35N, R11E. The land surface elevation at the well is approximately 703 ft.

A drillers log of Well No. 3 follows:

	Thickness	Depth
Strata	(ft)	(ft)
Top soil	2	2
Yellow clay	8	10
Blue clay	32	42
Sand and gravel	5	47
Gray clay	13	60
Sandy gray clay	13	73
Sand and gravel	1	74
Broken timestone	11	85
Medium brown limestone	25	110
Medium gray limestone	65	175
Gray shale	6	181
Medium gray limestone	19	200
Gray limestone with shale streaks	5	205
Medium gray limestone	45	250
Medium gray creviced limestone	5	255
Medium gray limestone	15	270
Medium gray creviced limestone	10	280
Medium gray limestone	15	295
Medium gray limestone with shale streaks	5	300
Medium gray limestone	5	305
Hard gray limestone	18	323
Shale	2	325

White Copy — III. Dept. of Public Health Yellow Copy - Well Contractor Blue Copy - Well Owner

INSTRUCTIONS TO DEEPERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		_			Address	Mar N. CRAN	La Kl	ړد
	a. Dug 1	Bored Ho	ole Dicon. <u>S</u> ir	ı. Depth_	ft.		Rod Wellen		
			uried Slab: Yes_			11. Permit N	Vo. <u>- ನೆ೦/ಆ</u>	Date _	
			e Diamin			12. Water fro	Formation	13. Cou	m
	c. Drilled X	Finished	in Drift	In Rock_	 •		to ft.	Sec	
	Tubular	Grovel Po	icked						-
	d. Grout:		Y				Diamin. ft. Slot	Twi	_
		(KIN))	FROM (Ft.)	TO (Ft	··)	Length:	II. 310t	•	
		Cuttines	0	65		15 Ci	d	Ele	٧.
							and Liner Pipe		
				[1	Diem. (in.)	Kind and Weight	From (Ft.)	Ŀ
						15 1	Black Stul	0	ı
2.	Distance to Ne			_		1-×10	110000		t
	Building	5Ft.	Seepage Tile Fig	eld <u>75</u>		}			╀
	Cess Pool		Sewer (non Cast	iron)		<u> </u>			L
	Privy		Sewer (Cast iron)		16. Size Hol	le below casing:	in.	
	Septic Tank		Barnyard			17. Static le	vel <u>40</u> ft. below ca	sing top whi	cl
	Leaching Pit_		Manure Pile			above gr	ound level. Pumping le	vel 10 ft	٠. ١
3.			consumption? Y	es_XNo	·	gpm for	4 hours.		
			-03				·		_
			s_ <u>X</u> Date			18.	RMATIONS PASSED THRO	UGH	
_			peLoca			~ 1 ·	(1 /		
			Setting			-Clay 9	Shale		_
6.			Type _//_			11m	estone		
			es_XNo						
. •			Model Num						_
	How attached to	o casing?	OCK RULL						
R.		d? Yes 🔀							_
			d? Yes_x	No					
	•		Type						
٠.						1			_
1	Water Carrier C		No			γ			
i. De	nater Sample S	upmitted: Ies	NO		73046	,		-	
	MARKS:				130				
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	envice one	000.00		/	\mathcal{C}°	CONTINUE	ON SEPARATE SHEET I	F NFCFSSAD	~
						(CONTINUE	ON SEE ARATE SHEET I	. INDUDIAN	4,

10. Propert	y owner Kroky Co	note.	Well No	٠	
Addres	3 1168 N. Can	u Ru	U .10	£/\\;	<u>un 1570</u>
Driller	No. 3016	ملاطخ Licens	e No. 🚅	C2-0	4 77 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1. Permit	No	Date _	<u>- ۲۰</u>	م ورد	
2. Water f	rom 1 vil	13. Cou	nty	12	
at dept	h toft.	Sec.			$\Pi\Pi$
	Diamin.	Twp	. 34nl	.	
Length	:ft. Slot	Rge	. <u>11 </u>	. -	17-1-1
l5. Casing	and Liner Pipe	Elev	/. 	· [
	Kind and Weight	From (Ft.)	To (Ft.)	,,,	SHOW CATION IN
5	Black Stul	0	45		TION PLAT
				SF	SE NW
					C ,
	hours.				
8.	ORMATIONS PASSED THRO	DUGH	THICE	CNESS	DEPTH OF BOTTOM
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SIGNED RedWille, day 1BM DATE 11-2-88

White Copy +
III, Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
	α. Dug	Bored Ho	le Diamir	i. Depthft.
	Curb materi	al Bu	ried Slab: Yes_	No
				Depthft.
				In Rock
		Gravel Pa		
	d. Grou::			
	u. Glou	(KIND)	FROM (Ft.)	TO (Ft.)
		L	(
2	Distance to Ne	rrest:		
	Building Hore		Seepage Tile Fie	ald 73
	Cess Pool		Sewer (non Cast	
	Privy		Sewer (Cast iron	
	Sertic Tank	4 2 -	Barnyard	1 and
			Manua Dila	nout
	Leaching Pit			
		us well to be use		-
	Yes	No	•	100
				- 1994
5.	Permanent Pum	p Installed? Yo	es_ull:	No like ming
	Manufacturer	Haveld.	Type	ul muy
	Capacity 1	gpm. Dept	h of setting	40ft.
6.	Well Top Seale	d? Yes afla	<u> </u>	<u> </u>
7.	Pitless Adaptor	r Installed? Ye	es <u>yss</u> N	o
8.	Well Disinfecte	d? Yes	No	
9.	Warer Sample S	ubmitted? Yes		lo
•			-/ -	- Y
RE	MARKS: (2)	with !	matures	led !
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	The P.	ump Freta	ulle li	landy
ID	PH 4.065			/
10,	/68			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Chuglas
Address 101 8 Tanklu

Drille	K. Delaney	License	No. 🗘	02-62
11. Permi	No.33950	Date 1/2	08. 4	4.1974
12. Water	from Timelians.			
at dep	th 55 to 100 ft.	Sec.	42	المنظلا
	: Diamin.		34N	<i>></i>
	h:ft. Slot	Rge.		<u> </u>
•		Elev.		
15. Casin	g and Liner Pipe			
Diam. (in.)	Kind and Weight	From (Ft.) I	o (Ft.)	SHOW LOCATION IN
5	Black 15 lb	1/2/	57	SECTION PLAT
		V.		110'5
		1200		1196'0
16 6: 11		 		NER NE
	lole below casing:		:_	ft.
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92				
				
18.	FORMATIONS PASSED THROU	СН	THICK	NESS DEPTH OF BOTTOM
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18. Me. Blue Gro	llow Clay	/	тніск	DEPTH OF BOTTOM 2
18. Me. Phili Sto	llow Clay (nor Clay (some. &	/	THICK	DEPTH OF BOTTOM 2
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18. Me. Ali Blue Sio	llow Clay (nor Clay (some. &	/	THICK	DEPTH OF BOTTOM 2
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18. Mo. Alli Blue	llow Clay (nor Clay (some. &	/	THICK L L L L L L L L L L L L L	NESS DEPTH OF BOTTOM. 2
18. Me. Ali Blue	llow Clay (nor Clay (some. &	/	THICK	NESS DEPTH OF BOTTOM 2
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Me.	Clay (some & rule bound Brule bound Brule Band Brule B	remal) Lavel) Les, o-ck.	ار با در ۱۵	NESS DEPTH OF BOTTOM 2

White Copy — .
III. Dept. of Pubric Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUL. ED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

		10. Pro	pert	y owner	Guire Well	. & Pump	Well No.		T	
1.	Type of Well				Manhattan,					
	a. Dug Borei Hole Diam. 5 in. Depth 145 ft.				es Fykes		e No. 23	3		
	Curb material Buried Slab: YesNo	11. Pe	rmit	No1	16382	Date	1-11-8	35		
	b. Driven Drive Pipe Diam 5 in. Depth49 ft.	12. Wa	ter f	rom L.	imestone	13. Cou	nty Wil	.1		
	c. Drilled X Finished in Drift In Rock X.		_	49 1	metion 15		-		N I	
	Tubular Gravel Packed	at ·	dept	h 49 to 1	<u></u> ft.	Sec.	6-6-1	· _		<u> </u>
	d Cmut:			: Diam		Twp	. 34N		1 1	
	(KIND) FROM (Pt.) TO (Ft.)	Le	ngth	:ft. S	Slot			•		T
						Elev	/	-	1-1-	+
		15. Ca	sing	and Liner F	'ipe			<u> </u>		
		Diem. (1	n.)	Kind •	nd Weight	From (Ft.)	To (Ft.)	LO	BHOW	N IN
_		5"		A-53	15 lbs.	0	49	BEC	TION	PLA
2.	Distance to Nearest:							NW	NE	NU
	Building 30 Ft. Seepage Tile Field 75'									
	Cess Pool Sewer (non Cast iron)					!				
	Privy Sewer (Cast iron)	16. Siz	e Ho	ole below ca	sing: 5	in.		_1 1		_
	Septic Tank 50' Barnyard	17. Sta	tic I	evel	ft. below casi	ng top which	h is			<u>~</u> ™
_	Leaching Pit Manure Pile	apo	ve (ground level.	Pumping leve	el <u>03</u> It.	when pu	mping	3 at	<u>.u</u>
	Well furnishes water for human consumption? Yes X No	gpr	n ior	1 hour	5.					
	Date well completed 1-11-85	18.	F	ORMATIONS P	ASSED THROUG	SH SH	THICK	NESS	DEPT	HOP
5.	Permanent Pump Installed? YesDateNo_X_									
	ManufacturerTypeLocation			Top So	oil		5	•	5	5'
_	Capacitygpm. Depth of SettingFt. Well Top Sealed? YesX NoTypeVermin-Proof (Wms.)			Clay			44		49	
ь.	Well Top Sealed? Yes A No Type Verilli-FICOL (Wills.)			Clay					49	
7.	Pitless Adapter Installec? YesNo			Limest	cone		96	•	145	; •
	ManufacturerModel Number									
	How attached to cosing? Well Disinfected? Yes X No									
						· · · · · · · · · · · · · · · · · · ·				
	Pump and Equipment Disinfected? YesNo									
IU.	Pressure Tank Sizegal. Type									
11	Location No X							أحجب		
17	Water Sample Submitted? Yes No X									
T.C.	MARKS:									
							1			
		CONT	INIII	ON SEDAD	TE CUEET IE	NECECCADY				

County 28304

IDPH 4.065 1/74 - KNB-1

INSTRUCTIONS TO DRILLERS

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

		IV. Froper
1.	Type of Well	Addre:
	a. Dug Bored Hole Dlam. 5 in. Depthft.	Driller
	Curb material Buried Slab: YesNo	11. Permit
	b. Driven Drive Pipe Diamin. Depthft.	12. Water
	c. Drilled X Finished in Drift In Rock.	
	Tubular Gravel Packed	at dep
	d Cout'	14. Screen
	(KIND) FROM (Ft.) TO (Ft.)	Length
	cuttings 0 77	
		15. Casing
		Diam. (in.)
	<u></u>	5
2.	Distance to Nearest:	\
	Building 25 Ft. Seepage Tile Field 75	
	Cess Pool Sewer (non Cast iron)	L
	Privy Sewer (Cast iron)	16. Size H
	Septic Tank Barnyard	17. Static
	Leaching Pit Manure Pile	above ·
3.	Well furnishes water for human consumption? Yes X No	gpm fo
	Date well completed 9-19-84	
5.	Permanent Pump Installed? Yes X DateNo	18.
	Manufacturer Type Location well	Chala
	Capacity 10 gpm. Depth of Setting 80 Ft.	<u>Shale</u>
6.	Well Top Sealed? Yes X No Type Williams	Sand &
	Pitless Adapter Installed? Yes X No No	Limest
	Manufacturer Ralier Model Number	
	How attached to caring? <u>locknut</u>	
8.	Well Disinfected? Yes X No	
9	Pump and Equipment Disinfected? Yes X No	
1N	Pressure Tank Sizegal. Type	
-0.	Location	
11	Water Sample Submitted? Yes No X	
	MARKS:	
اسده -		-
	Owner instructed to take sample.	

	D	Don Honni	T	,Ch r	is Ha	rgai	n
10.	Proper	ty owner Don-Henry			_ Well N	o	
	Addre:	will County We	AVE.	<u> w</u>	n may	en 102	-000445
,,	Drille	No114305_	<u> </u>	. XEOM		102	-00044 <u>-</u> 0
	Water	(NO	U	ale _	H	- //-	-84
12.		Formation	13.	Cou	nty		
		tb toft.		Sec.	. 1	- L	
14.		: Diamin.		Twp	. 35N	-	
	Length	n:ft. Slot		-	llE	1	
15.	Casing	g and Liner Pipe		Ele	/	- L	
Die	m. (in.)	Kind and Weight	From	(Ft.)	To (Ft.)] ,,,	SHOW CATION IN
	5	Black Steel	0		77	SEC	TION PLAT
						Xot	275
Г						Kolle	ng steight
16	Siza H	ole below casing: 5					5 <i>E</i>
		level_60_ft. below co		whi	-h ie		1 6
• • •	above	ground level. Pumping 1	evel_80	ft.	when p	umpine	r or 10
	gpm fo	r <u>4</u> hours.					, ~·
18.					·····	KNE88	
		r <u>4</u> hours.			ТНІС	KNE88	DEPTH OF BOTTOM
		r <u>4</u> hours.			ТНІС		
Sì	nale	r <u>4</u> hours.			ТНІС	KNE88	DEPTH OF BOTTOM
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			Тніс	5	DEPTH OF BOTTOM
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Si	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Si	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Si	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Sì Sa	nale	r_4_ hours. CORMATIONS PASSED THRO Gravel			тніс 5	5	55
Si	nale and & imest	r_4_ hours. CORMATIONS PASSED THRO Gravel	DUCH		THIC	5	55
Si	nale and & imest	r_4_ hours. FORMATIONS PASSED THRO Gravel One	DUCH		THIC 5 2 4	5	55 77 125
Si	nale and & imest	r_4hours. FORMATIONS PASSED THRO Gravel One	DUCH		THIC 5 2 4	5	55 77 125



FIGURE OF THE PROJECT HEADY THOU DOOR SO AND MALL ORIGINAL TO STATE DE-MAINLING OF PUBLIC HEADY, ROOM SIS, ATE OFFICE DUELDING, SARINGFIELD, ILLIES, \$2760, DO BOT DETHON GEOLOGICAL WATER SURVEYS SECTION, BE CURE TO PROVICE PROPER WELL LOCATION.

ILLINGIS DEPRETMENT OF PUBLIC HEALTH WELL, CONSTRUCTION REPORT

1.	Cum mater b. Driven c. Utilled Tubular	rici Drive F	Burked Slab: Y Pipe Diam. <u>5</u>	_in. Depth/45it. esNoin. Depth 52it In Rock
	d. Gmati	2.75-m	FROM FU	YO (Fi)
2.	Cers Pool Privy Septic Tank _	22 = 1 50	Sevier (non C Sevier (Cast : Barnyard	Field 75 est iron)
	Yes		2 - 72	- -
5.	Permanent Fu	mp installed?	Yes	Ne
	Manufacturer	Westra	Type_	Subm.
٤	Well Ton Soal	360 Yas L	NoNo	/4/5" ft.
	•			_ No
8.	Well Disinfect	ed? Yes	No_	
9.	Water Sample	Submitted?	Yes	_No
RE	MARKS:			
			•	

10	Property Shares	r. 0 Mar - 26	(25	
10.	Property owner King of Bodyson	iem No. "z_z		
	Address Musi Kenot Liverse	N. (1.2)		
וו	Permit No. 19297 Date 1	1-15-72	·	
	Water from Semuster 13. County			
	at depth o to 52 st. Sec.	7		
14	Screen: Diamin. Twp.:	3072		
1.4.		JE -		
	Elev.	,		
15.	Casing and Liner Pipa	1		
Dia.	m. (in.) Kind and Weight From (St.) ! T	5 (70)	SHOW CATION IN	
	5 Black 15# 0 1	1 SEC	TION PLAT	, o .
		101	1 Learge #	۴. کاریال
1		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5/2	
16	Size Hole below casing:in.		12	
	Static levelft. below casing top which	1.5	ft.	
	above ground level. Pumping levelft. v	when pumping	g at	
	gem for hours.			
18.	FORMATIONS PASSED THROUGH	, THICKNESS	DEPTH OF	
	2 = 1/40 8)	50	
4	lay & Gravel		<u> </u>	•
		<u> </u>		
_	Timentone	552	145	¥
		 		
		<u> </u>		:
				
(C	ONTINUE ON SEPARATE SHEET IF NECESSARY)	<u> </u>		
, -				
SIG	NED JOTIC RATE DAT	E //-/	5-1'i	
	1 - 0 . 0			
1	Litt Date on Pala			

White Cray —
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Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	b. Driven c. Drilled	. Erive Pip . Finished	uried Slab: Yes_ e Diam <u>5</u> in	NoNo
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
	}			
2.	Distance to Neure	st:		
	Building	Ft.	Seepage Tile Fi	eld 25
	Cess Pool		Sewer (non Cast	iron)
	Privy		•)
	Septic Tank		Barnyard	
	Leaching Pit		Manure i ile	
3.	Well furnishes wat			
4.	Date well complet	ed 1/2 - 1) 5	``	***************************************
5.		nstalled? Ye	s × Date G-/) P. No
	Manufacturer (: 2	L.J. J. T.	me. S. L. Loca	tion
	Capacity 1 g	om Denth of	Setting 15	Fi
6.		Yes N. No	Tune	
7.	Pitless Adapter In	stal ed? Y	as y No	
•	Pitless Adapter Ir Manufacturer	3 11/0 lun	Model Num	her 5-10
	How attached to c	asina? La	1. 2. 3	
8.	Well Disinfected?			
	Pump and Equipme			No
0.	Pressure Tank Siz	e 512 and	Type (1) K	-200
٠.	Location	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	٠٠ <u>/ ٢</u> ٠٠ - - ١٠٠٠ / ٢٠	
1	Water Sample Subn			
	MARKS:		· · · · · · · · · · · · · · · · · · ·	

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Mike MACE	1/4.50	. Well No	2	75	
Address 1/137 Colum					
Driller HART	Licens	e No. 🟒	0-1-P	<u> </u>	
11. Permit No. 32578	Date _	8-20	2-25		
12. Water from Lineatin	13. Cou	nty	11.11		
at depth $\frac{2\ell}{l}$ to $\frac{2\ell-l}{l}$ ft.	Sec	_//_			1
14. Screen: Diamin.		. 350	<i>/</i> -	╂╌╂╌┟╌	
Length:ft. Slot		// =		┨ ╼╂╼╂╼	
2e.iq.i	Elev		`		
15. Casing and Liner Pipe	Lie	·	. L		
Dism. (in.) Kind and Weight	From (Fi.)	To (Ft.)	LO	SHOW IN	•
5 Black	(5)	74	BEC.	TION PLAT	
	1-51		人で	30 RG	occt 1
	 		1330	itlet b	
	<u> </u>		İ		NG
16. Size Hole below casing:				•	
17. Static levelft. below cas					
above ground level. Pumping lev	/el It.	when pu	mpine	3 at	•
gpm for hours.					
18. FORMATIONS PASSED THROU	GН	ТНІСК	NESS	DEPTH OF BOTTOM	•
18. FORMATIONS PASSED THROUGH	GН	ТНІСК	NE39	DEPTH OF BOTTOM	
	GH	Тніск	:NE39	DEPTH OF BOTTOM	•
18. FORMATIONS PASSED THROUGH	СН	ТНІСК	NESS	24	•
18. FORMATIONS PASSED THROUGH	GH	ТИСК	NE33	24	•
18. FORMATIONS PASSED THROUGH	GH	THICK	NE33	DEPTHOP BOTTOM	•
18. FORMATIONS PASSED THROUGH	GH	THICK	KNE35	24	
18. FORMATIONS PASSED THROUGH	СН	ТНІСК	:NE35	24	•
18. FORMATIONS PASSED THROUGH	GH	THICK	NE33	24	•
18. FORMATIONS PASSED THROUGH	GH	THICK	KNE33	24	
18. FORMATIONS PASSED THROUGH	GH	THICK	(NE33	24	
18. FORMATIONS PASSED THROUGH	GH	THICK	(NE33	24	
18. FORMATIONS PASSED THROUGH	GH	THICK	(NE33	24	
18. FORMATIONS PASSED THROUGH	GH	THICK	ENESS	24	
18. FORMATIONS PASSED THROUGH		2		24	
(CONTINUE ON SEPARATE SHEET IF	NECESSARY		<u> </u>	160	
(CONTINUE ON SEPARATE SHEET IF	NECESSARY	2	<u> </u>	160	

1DPH 4.065 1771 KHB-1 Will- On Page Dulling

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		_	
	a. Dug Borec	: Не	ole Diam. <u>5</u> in	. Depth <u>185</u> ft.
	Curb material	B	uried Slab: Yes_	No
	b. Driven	Drive Pip	oe Diam. <u>5</u> in.	Depth <u>103</u> ft.
	c. Drilled X	Finished	in Drift	
	Tubular	Gravel P	acked	
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
	<u></u>	(KIIV)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				
		·	1	L
2.	Distance to Nearest			
	Building 30		Seepage Tile Fie	ld75'
	Cess Pool			iron)
	Privy)
	Septic Tank50			
	Leaching Pit		Manure Pile	
3.	Well furnishes water	for human	consumption? Ye	es_XNo
4.	Date well completed	11	3-22-36	
5.	Permanent Pump Ins	stalled? Ye	es Date	NoX
	Manufacturer	T	/peLocal	ion
	Capacityapm	. Depth of	Setting	Ft.
6.	Well Top Sealed? Y	'esX_No	Type <u>Ven</u>	min-Proof (Wms.)
7.	Pitless Adapter Ins	talled? Y	'esNo	
	Manufacturer			
	How attached to cas			
	Well Disinfected?			
	Pump and Equipmen			
10.	Pressure Tank Size		Туре	
	Location			
	Water Sample Submi	tted? Yes	s No	X
RE	MARKS:			
			C # 37	0 - 1
			(3) 27	052

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10 Dans - 4 WC1-111 YG UG (1 6 5			
10. Property owner <u>McGuire Well</u> Address <u>Francis Rd.</u> , Jol				Ι
Driller Charles Fykes	1.166, 111		02-	23
Driller	Licens	e No Ω_1 2_ Ω6	.02	23
11. Permit No. 125918 12. Water from Limestone	Date	0-12-00	7 7 7	
Formation				· · · · · · · · ·
at depth <u>100</u> to <u>185</u> ft.	Sec.	12./2	<u> </u>	X
14. Screen: Diamin.	Twp	12./ ₀ 35N		
Length:ft. Slot	Rge.	<u>lle</u>		X
15. Casing and Liner Pipe	Elev			
Dlam. (in.) Kind and Weight	From (Ft.)	To (Ft.)	LOC	SHOW CATION I
5" A-53 15 lbs.	0	103	BECT	TION PL
			$N\omega$	NE SU
above ground level. Pumping level gpm for 1 hours.		····		
18. FORMATIONS PASSED THROUGH	эн —————	THICK	NESS	DEPTH (
Top Soil		41		4 *
Clay		24'		28 1
		1		
Blue Clay		39 '		67 ^{t.}
Blue Clay Gravel		39 ° 15 °		67 ¹ . 82 ¹ .
Gravel		15'		821
Gravel Sand		15' 9'		82' 91'
Gravel Sand Gravel		15' 9'		82' 91' 100'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Pykes DATE August 25, 1986

INSTRUCTIONS TO DF RS

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111. Dept. of Public Health
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Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

I.	Type of Well			
	a. Dug	Bored Ho	le Dicon5in	. Depthft.
	Curb materi	al Bu	ried Slab: Yes_	No
	b. Driven	Drive Pipe	Diamin.	Depthft.
		v . Finished i		
		Gravel Par		
	d. Grout:			
		(HIND)	FROM (F1.)	TO (FL)
	•	cuttings	0	140
			L	
2	Distance to Ne			
	Building	25_FL :	Seepage Tile Fie	eld75
	Cess Pool		Sewer (non Cast	iron)
	Privy		Sewer (Cast iron)	
	Septic Tank	1		
	Leaching Pit_		Manure Pile	
3	Well furnishes			s_X_No
4.		leted 1-24-86		
5.		p Installed? Yes		
	Manufacturer	Тур	Locat	ion well
	Capacity 10	com. Depts of	Setting 140	Ft.
6	Well Top Segle	d? Yes X No	Type W	Illiams
7.	Pitless Admite	r Instal.ed? Ye	s X No	
	How attached to	o casina?	locknut	er
8.	Well Disinfecte	d? Yes X	_No	
9.	Pump and Equi	pment Disinfecte	d? Yes X	No
		Sizegal.		
	Location			
L		ubmitted? Yes	No	Υ
	MARKS:			
		instructed	to take come	ام
	Owner	THRUTTER	-	
			Cn =	#29008
			CO	<i>G</i> / -

	1814 Heatherway, Ro nald Rob			-000	144 5
1 Desmit	No. 125346	Licens Date _	7-23-	86	744 3
2. Water 1	rom Limestone	13. Com	nty Wi	11	
	Formation th ft.		13		
4. Screen	: Diconin.		.35N	-	
	:ft. Slot	-	. LLE	-	
5. Casing	and Liner Pipe	Ele	/		X
Diem. (ie.)	Kind and Weight	From (Ft.)	To (Ft.)		MOW NI NOITA
5	Black Steel	0	140	SECT	ON PLAT
				_	E
				·	in L4 Co.
7. Static	ole below casing: 5 level 110 ft. below ca ground level. Pumping la r 4 hours.	sing top which			ft.
7. Static above gpm fo	level <u>110</u> ft. below co ground level. Pumping le	sing top whice evel <u>140</u> ft.		ping	ft.
7. Static above gpm fo	level 110_ft. below ca ground level. Pumping le r_4_hours.	sing top whice evel <u>140</u> ft.	THICKN	ping	ft.
7. Static above gpm fo	level 110ft. below coground level. Pumping lethours.	sing top whice evel <u>140</u> ft.	THICKN	ping	at 10
7. Static above gpm fo	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pumping level. Possed through the level lay	sing top whice evel <u>140</u> ft.	THICKN	zas 1	at 10 DEPTH OF 10
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping lear_4hours. CORMATIONS PASSED THRO lay And & Gravel	sing top whice evel <u>140</u> ft.	THICKN	10 20	it. at 10 DEPTH OF BOTTOM 10 30
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whice evel <u>140</u> ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whice evel <u>140</u> ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whice evel <u>140</u> ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whice evel <u>140</u> ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45
7. Static above gpm fo 8. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whice evel <u>140</u> ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45
7. Static above gpm fo 8. C S. C	level 110ft. below coground level. Pumping level. Pumping level. Pumping level. Pormations passed through lay And & Gravel lay	sing top whitevel 140 ft.	THICKN	20 15	it. at 10 DEPTH OF BOTTOM 10 30 45

White Copy —
III. Dept. of Pulleumical th
Yellew Copy — Well Centractor
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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.				ı. Depthft. No
				Depthft.
				In Rock
			cked	
	d. Grout:	(KIND)	PROM (PL)	TO (Ft.)
				64
		Latingo	C	
2	Distance to Nec	arest:		
	Building		Seepage Tile Fie	1d75
	Cess Pool			iron)
	Privy			
	Septic Tank			
	Leaching Pit_		Monure Pile	
1	Well furnishes			No
L	Date well compl	leted 3-12.	<i>y</i> 7	
5.	Permonent Pump	Installed? Yes	/ Date	No
	Manufacturer	Tvr	eLocat	ion Well
	Congcity /	one. Depth of	Setting /cC'	Ft
•	Well Top Sealed	12 Yes X No	Type _/	linno
7.	Pitless Admiter	Instaled? Ye	s No	
			Model Numb	
	How attached to	casira?	V.nux	
		1? Yes <u>X</u>		
			? Yes X	No
			Туре	
	Location		* /	
			No <u></u>	
	IARKS:			
		instructe	des take	somple.
			E # 074	115

Address 19646 5. W.L.					
17711140 / Nov Nove -	110	DOD NO	• /	'. J - K	~
Permit No. 129907	Date	?_	<u> </u>	P7_	
Water from Braken Sime	13. C	ounty_	Zi.	120.	
at depth toft.		к. <u>/</u>			
Screen: Diamin.		wp. ــــــــــ			
Length:ft. Slot		ge			13/
. Casing and Liner Pipe	E	lev			
iom. (in.) Kind and Voight	From (F	.) To (? 1.)	LOCA	LION IN
5 Black Steel	Ü	69	/_	BECTIO	H PLAT
				SE	;
		\top		•	wood c
Static level 35 ft. below co	ia. ozina too wi	ich is		/	ft.
gpm for bours.	osing top wl level <u>(a.C.</u>	it. whe	n pu	mping a	· <u>//. </u>
gpm for bours. FORMATIONS PASSED THREE	osing top wl level <u>(a.C.</u>	It. whe	n pu	mping a	PTH OF
gpm forbours. FORMATIONS PASSED THRO	osing top wl level <u>(a.C.</u>	It. whe	ніск	mping a	· <u>//. </u>
above ground level. Pumping grown for bours. FORMATIONS PASSED THREE CLAY (Krd & Sensel	osing top willevel <u>40</u>	It. whe	в ри ЗS	mping a	PTH OF
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	ы ри 35	mping a	PTH OF OTTOM
gpm for bours.	Esing top willevel 40	It. whe	35 35	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	35 36 20	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	35 36 20	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	35 36 20	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	35 36 20	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top willevel 40	It. whe	35 36 20	mping a	35 GO
above ground level. Pumping grown for Law bours. PORMATIONS PASSED THREE CARRY & Several Strate. Strate.	Esing top will be a second sec	It. whe	35 36 20	mping a	35 GO

INSTRUCTION TO DRILLERS

White coy Itt. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

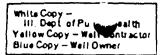
FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
	a. Dug	Bored Ho	le Diam. <u>5</u> in	. Depth <u>160</u> t.
	Curb mater	al Bu	ried Slab: Yes_	NoD_
	b. Driver.	Drive Pipe	Diamin.	Depthft.
		Finished i		In Rock
		Gravel Pa	cked	
	d. Grout:	(KIND)	FROM (Pt.)	TO (Ft.)
		cuttings	0	90
			x	
		L	L	
2.	Distance to Ne	urest:		7.5
	Building	5 Ft.	Seepage Tile Fie	ld/5
	Cess Pool			iron)
	Privy		Sewer (Cast iron)	
			Barnyard	
	Leaching Pit_			
				s_X No
4.	Date well comp	leted <u>8-10-</u>	79	
5.	Permonent Pur	p Installed? Yes	s <u>X</u> Date <u>8-1</u>	5-79 No
		Gould Typ		
	Capacity_10	_gpm. Depth of	Setting <u>80</u>	Ft.
6.	Well Top Seale	1? Yes_ <u>X</u> No.	Type _W1	lliams Cap
7.	Pitless Mapte	Installed? Ye	s <u>X</u> No	
	Manufacturer_	Williams	Model Numb	er <u>BOOAC</u>
_		o casing? 1 oc		
		ed? Yes <u>x</u>		
9.	Pump and Equi	pment Disinfecte	d? Yes X	No _ Y _ Tro]
10.	Pressure Tank	Size <u>80</u> gal. SE corner	of bacomen	+
	_			
	·	ubmitted? Yes.		
HE:	манкs: Owne	r instruct	ed to take	sample.

10.	Property owner George Jer	utis	Well No		
	Property owner <u>George Jer</u> Address <u>9 W. Nebraska</u>	St. Fr	ankfor	ct,	Il.
	DrillerWill-DuPage Dril	linglicen	se No	LŌ2-	000445
11.	Permit No. <u>88477</u>	Date	8-7-7	9	
12.	Water from Limestone	13. Cou.	nty W	<u>i11</u>	
	at depth toft.	_	тэ	- 1	
14	Screen: Diamin.	Twn	35N	·	╂═╂═╂═┪
	Length:ft. Slot	Rae	. 11E	` 	├ ┼╌┋╌┤
			v	· _	
15.	Casing and Liner Pipe			L	
Di	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)	Lo	SHOW CATION IN
5	Black Steel 14.98	0	90	BEC.	TION PLAT
Г]		Λ	W
				ľ	
16	Size Hole below casing: 5	in		i	
	Static level <u>55</u> ft. below casi		ch is	1	. 1
• • •	above ground level. Pumping lev				
	gpm for 4 hours.	<u></u>	which po		, 41
		··			
18.	FORMATIONS PASSED THROUGH	GH	THICK	NE3S	DEPTH OF BOTTOM
_			-		
			1 (90	90
	Clay & Gravel				
	Clay & Gravel				
	Clay & Gravel Limestone		70		160
	Limestone		70		
(Cc	Limestone ONTINUE ON SEPARATE SHEETJE	NECESSARY	70		
	Limestone	1	70)	160

INSTRUCTIONS TO DRILLERS



FILL IN ALL PERTINENT INFORMATION REQUIDED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.			ole Dlam. <u>5</u> ir uried Slab: Yes_	
			e Diænin	
	c. Drilled	Finished	in Drift	In Rock
	Tubular	Gravel P	acked	,
	d. Grout:		·	· · · · · · · · · · · · · · · · · · ·
		(KIND)		TO (Ft.)
		cuttings	0	85
2.	Distance to Ne			7.5
	Building2		Seepage Tile Fie	
	Cess Pool		Sewer (non Cast	iron)
	Privy		Sewer (Cast iron	
	Septic Tank		Barnyard	
	Leaching Pit_		Manure Pile	
3.			consumption? Y	
4.	Date well comp	oleted2	-14-86	
5.	Permonent Pun	ip Installed'Ye	s <u>X</u> Date	No
			peLoca	
	Capacity1	<u>)</u> gpm. Depth of	Setting100_	Ft.
6.	Well Top Seale	d? Yes_X_No	TypeWi	lliams
7.	Pitless Adapte	r Installed? Y	es <u>X</u> No	
	Manufacturer _	Raker	Model Num	oer
	How attached t	o casing?	locknut	
8.	Well Disinfecte	d? Yes_ <u>x</u>	No	
9.	Pump and Equi	pment Disinfect	ed? Yes_x	No
			Туре	
	Location		• • • • • • • • • • • • • • • • • • • •	
			s No	X
	01	wner Enstruc	ted to take s	sample.
			G.	28725

#44 107// Conservation Malance #11	II No	
Address 19764 Greenview, Mokena, Ill		
Driller Ronald Roh License N		
11. Permit No. <u>122285</u> Date		
12. Water from <u>Limestone</u> 13. County	<u> </u>	
at depth toft. Sec		
14. Screen: Diamin. Twp	35N_	
Length:ft. Slot Rge	HE	
Elev. —	 	
15. Casing and Liner Pipe	∟	
Diem. (in.) Kind and Weight From (Ft.) To		SHOW CATION IN
5 Black Steel 0 85	5 SEC	TION PLAT
	1	±3
		ty View !
16. Size Hole below casing: 5 in.		E
gpm for 4 hours.	THICKNESS	Inventu or
18. FORMATIONS PASSED THROUGH	INICKNESS	BOTTOM
Clay	25	1 .
		25
Gravel	40	65
Gravel Shale	20	
		65
Shale	20	65 85
Shale Limestone	20	65 85
Shale Limestone (CONTINUE ON SEPARATE SHEEP IF NECESSARY)	20	65 85 170

ef Public Health y - Well Centract

ype of Well

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

LLIKOIS DEPARTMENT OF PUBLIC HEALTH NELL CONSTRUCTION REPORT

. Dug___. Bored___. Hole Dlam. ___in. Depth___it.
Curb material____. Burled Slabr-Yes____No____

. Driven	Drive Pipe	Diamin	Depth	ft.	
	Finished i				
Tubular	Gravel Pac	cked			
. Grout:		PROM (FL)			
			TO (Fi.)	{	
	Cuttings		47		
Distance to Ne	carest:				
Building	25Ft.	Scopage Tile Fi	old75		
Cess Pool					
Cess Pool Sewer (non Cast Iron) Privy Sewer (Cast Iron)					
Septic Tank_		Banyard			
Loaching Pit		Manure Pile			
	water for human				
Date well com	pleted	3 - 87			
Demonent Pu	mp installed? Ye	s X Date	No		
danufacturer_	T	pe Loc	ation WUI		
Capacity_/0_	gpm. Depth of	Setting 140		_Ft	
Vell Top Seal	ed? Yes X No	Type _//	Midons		
	er Installed? Y				
lanulacturer.	Baker	Model Nur	nber		
low attached	to casing?	ecknut			
Vell Disinfec	ted? Yes X	No			
	ulpment Disinfect			_	
	k Sizeqal				
.ocation					
ARKS:	Submitted? Ye	•	•		
OWRE	, instructed				
		Co #29	963		
	•				

	seman y	ell No.		
Address Bet #187 Now				·
Driller Rosald Rob				
1. Permit No. 135.99/	Date <u> </u>	24-8	2	
2. Water from Limitore	13. County	y ulik	4	
at deptht.	Sec.	14		
4. Screen: Dlamin.		350	-	-} -
Length:ft. Slot	_	11E	 	-} -
	Elev.		1-7	444
5. Casing and Liner Pipe	•	_		
Diam. (in.) Kind and Weight	From (Ft.) 1	(Ft.)		HOV
5 Black Stul	0	67	SECT	ATION IN ION_PLAT
- Junear State	1-2	~ /-		t#7
			_	$s\omega$.
	<u> </u>		Dew	Level farm
6. Size Hole below casing: 💍	ــــاه.			, unic si
above ground level. Pumping legan for 4 hours.	vol <u>/40</u> ft.	mpen br	mblod	at <u>20</u>
	····	···		
18. FORMATIONS PASSED THROU	ich	THIC	CHESS	BOTTON
Clay		3	5	35
Sand+ Leavel		13/	<u>,</u>	66
Limistone		وعو	·	155
	•			
		- 1		1
			· · · · · · · · · · · · · · · · · · ·	
CONTINUE ON SEPARATE SUBST	IF NWCWSSAD			
(CONTINUE ON SEPARATE SHEET SIGNED LOOK WELLENDER CH		-		

White Copy
111. Dept ublic Hearth
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REJUSTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

ı.	Type of Well		_		
		Bored	Hole Dicm. 5	in. Depth/60	ft.
				sNo	
			ipe Diam. <u>ゴ</u>		ft.
	c. Drilled	- Finishe	d in Drift	. In Rock	
			Packed		_
	d. Grout:				
	•	(KIND)	FROM (Ft.)	TO (Ft.)	\dashv
					4
1				··	_
۷٠	Distance to Ne		Seepage Tile I	riald 75	
	Cess Pool			st iron)	
			·	on)	
	Privy Septic Tank	20		OII)	
			-		
3	Is water from the				
	V	M-		_	
4.	Date well comp	eted	12-31-7	?	
٥.	Manufacturer	Drugge !	Type	No	_
	Capacity /) apm. De	epth of setting	40	ft.
6	Well Top Seale:				
				No	
	Well Disinfected				
				_	
9.	Water Sample 3.	bmitted? Y	es	No	_
RE!	MARKS:				

10.	Property owner Jones	ر	Well No	.6	16	
	Address Mine	7	, , ,	-		
	Driller Lade	Licens	e No.	CL2 -	42	•
11	Permit No. = 16.520	_ Date _				
12.	Water from Diministry	13. Cour	ntv (v	زازرا	1	
	Formation		•	_		
	at depth $\frac{2/C}{10}$ to $\frac{16C}{10}$ ft.		16			
14.	Screen: Diamin.		. 35M		1 1 1 1	
	Length:ft. Slot	Rge.	. <u>- ///=</u>	.		
		Elev	·	. —	 	
15.	Casing and Liner Pipe			<u></u>	لسلسلسا	
Dia	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)	LOC	SHOW CATION IN	
	5 Buch 15-	0	40	SECT	TION PLAT	
				Let	" 16	. – . 1
-				Δi	INTIN	- Intosh
		1		HM	Jur 1. li	-Intosh. Jordanda
	Size Hole below casing:		^	النايل	CENOX OF	NIV
17.	Static levelft. below casing					•
	above ground level. Pumping level	ft.	when pu	mpine	g at	
	gpm for hours.					
18.	FORMATIONS PASSED THROUGH		тніск	NESS	DEPTH OF BOTTOM	
	2.2				20110.11	
	lay & Granel			<u></u>	40	
	0			,		
	Limestone		_ ->	0	160	
			}		ŀ	
			-			
			j			•
100	ONTINUE ON SEPARATE SHEET IF NE	CESSARV				
(0)	J. T. SEL ARRIES IF NE	LESSAKI	,			
CTCI	Not Telen (Non	- n.	me 3	2	7-74	
2161	IVCD	DA	. 1 =		*****	
		ı				
	Will Durage D	149.				

GEOLOGICAL AND WATER SURVEYS WELL RECORD

IDPH 4.065 10-72 KNE-1 White Copy —
III Dept. of Public Lit
Yellow Copy — Well Community
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED. MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		~	10:	
			ole Diam. 🚣 i		t.
			uried Slab:_Yes_		_
			e Diam. 🔼 in		t.
			in Drift		٠.
		Crave Po	cked	•	
	d. Grout:	(K ND)	FROM (FL)	TO (Ft.)	7
					1
			† 		1
			 	 	†
				<u> </u>	ر
2.	Distance to Neo	rest:		751	
	Building	<u>د ک</u> Ft.	Seepage Tile Fi	eld	-
	Cess Pool		sewer (non Cast	iron)	
	Privy	-6		1)	
	Leaching Pit _	50			
2	-				-
٥.	Yes		ed for human con	isumption?	
A	Date well comp	leted Ci =	ジェント	•	
			'es	No	-
J.	Manufacturer \	ンドスション	Type Type	ジンショントラシュ	۶ د ک
	Capacity IC	apm Dep	th of setting	30, 1	t.
6.			No		
7	Pitless Adentor	Installed? Y	'es N	lo.	
у. В.	Well Disinfecter	d? Yes	No	· ·	-
		•			
9.	Water Sample Si	abmitted ?e	s!	No_ /	-
ניזם	MARKS:				
UE	MWUV9:				

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner: VIIII PERE GREA	Well No
Address 575 Harris ST -C	
Drillor (1) (1) (1) (1) (1) (1) (1) (1) (1) I icense	No. VSC
11. Permit No. 1400 (Date 2	<u>- ツ.ノ- ゴ l</u>
12. Water from Lira Formution 13. Coun	ty <u>(()</u>
Formution Con	16
	350
Length:ft. Slot Rge-	
Elev.	
15. Casing and Liner Pipe	
	To (Fe) SHOW
Diam. (in.) Kind and Weight From (Ft.)	LOCATION IN
2, 12 12 12 12 192 U.	SECTION PLAT
	Lot 9 Old Heat
	Lot 9 Old Heating
16. Size Hole below casing:in.	- SE NO V
17. Static level it ft. below casing top which	h isft.
above ground level. Pumping level 15 ft.	
gpm for hours.	,
NA ECONATIONS DISSED TUDGUCU	THICKNESS DESTH OF
18. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
18. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
18. FORMATIONS PASSED THROUGH	
18. FORMATIONS PASSED THROUGH	1' 1'
TOP SOIL CLAY SHALE	1' 1'
18. FORMATIONS PASSED THROUGH TOP SCIL CLIST SHALE LIMESTONE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	1' 1'
TOP SOIL CLAY SHALE	3. 192, 3. 192, 3. 192,
TOP Sail Chay Shale Linestowe	3. 192, 3. 192, 3. 192,
TOP Sail Chay Shale Linestowe	3. 192, 3. 192, 3. 192,

IDPH 4.065 10/68 White Copy -III. Dept of Po' Health
Yellow Copy -- to ntractor
Blue Copy -- Well Comm

1. Type of Well

FILL IN ALL PERTINENT INFORMATION REQUE' O AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMENT EALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	α.	Dug	. Bored_	Но	l e Diam. <u>5</u> in	i. Depth <u>130</u> ft.
		Curb mate	rial	Bu	ried Slab: Yes_	No
						Depthft.
	c.					In Rock X
			· '	Gravel Pa	cked	
	d.	Grout:	- 1	(IND)	FROM (FL)	TO (Pt.)
			Cut	tings	0	42
			<u> </u>			L
2.	Di	stance to I	łeczęst:			25
		ilding		_Ft.	Seepage Tile Fie	eld75
		ss Pool			Sewer (non Cast	iron)
	Pr	ivy)
		ptic Tank_				
_	Leaching Pit Manure Pile					
3.	We	ll furnishe	s water i	or humon o	consumption? Y	es_A_No
5.	Pe	monent P	ump Inste	lled: Yes	2 - X Date - 10 -	28-77\0
	Ma	mulacturer:	GOULC		se <u>Subm</u> Local	tion in well
c	Ua	pacity 10	gpm.	Debit of	SettingOD	Ft.
D. 7	ne D:	noo yee	lear lei	:A NO.	ype_w_	lliams cap
٠.	Ma	ness Auup Duigetuses	ter Instal	ieur re	s X No Model Numb	DE DEONG
	Ho	w attached	l o casin	~? I	Model Numb	المناتين المنات
8.	We	ell Disinfec	ted? Y	es X	_ No	
					d? Yes_X	No
10.	Pr	essure Tar	ık Size 4	12 3al.	Type We	ll-x-trol
	Lo	cation	sout	n side	of crawl	ll-x-trol space
11.	Wo	rter Sample	Submitte	d? Yes	No <u>X</u>	
		RKS:				
					•	
Ot-	me	r inct	ruat oð	1 +0 +-	ake sample.	
υw	TIC	TIIDE	Lucted	i LO La	ive squibte	•

10. Property owner Steve Pecer			
Address <u>539 Old Hickor</u> Driller Will-DuPage Dril	ry Rd. Llingicens	New Lenc	43
11. Permit No. <u>64763</u>	Date	8-4-7	
12. Water from Limestone Formation			
at depthtoft. 14. Screen: Diamin. Length:ft. Slot	Twp Rge		
15. Casing and Liner Pipe		L	
Diam. (in.) Kind and Weight	From (Ft.)		SHOW CATION IN
5" Black Steel			FT, Elinde
			ld, re
16. Size Hole below casing: 5	in.		
 Static level 10 ft. below casi above ground level. Pumping lev gpm for 4 hours. 			
10 FORMATIONS PASSED THROUGH	C11	THICKNESS	Tananii a a
18. FORMATIONS PASSED THROUGH		INICANES	DEPTH OF BOTTOM
Clay & Gravel		42	
10.			
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42	42
Clay & Gravel		42 88	42

FIG. AND THE PROPERTY OF THE WILL WITH THE AND THE DANGERS. TO THE DATE DE-FERENCE OF THE FILL OF THE PROPERTY OF SECTION SECTION. SECUNDATION OF SURE FO FROM THE PROPERTY WILL LOCATION.

the second secon

ALMAND SERVED AND AS SERVED HEALTH VELOCOMMENDED AS ABSORD

	e. Pallol Tubuks	<u> 1:11</u> . Min	s Pap - Dalan . 5 Shall in Dritt el Poorled	In Rock,	63
	4. Groutt	(, 1889)	1 1 1) TO (!	(1.)
2.	Clark Post Purey Seption Posts_a	50	Ft. Stopleyo TC Sower (Aon Sower (Cast Eamyord — Monure Pilo	Cost iron) iron)	5
_			se used for humos		>
	Yes:	[45			•
4.	Yes Date well con-	i ve Alted	-22-72		
4.	Yes	(Jesto	Yes Type Dopth of setting	Lika	f
4. 5.	Yes	Jesto Do com	-22-72 8 Type	July 115	
₹. 5. €. 7.	Yes	DO g.m. Timestalled?	Yes Type Dopch of setting No Yes C	July 115	f
ξ. 5. ε. 7.	Pers well constructed Fundamental Fundamental Fundamental Fundament Fundamen	m Intelled & DO gran. 12 Yes installed? 24 Yes Yes	Yes Type Dopth of setting	Jula 115 No	f

	(CONTINUE ON SEPAR
DPH 3,065	SIGNED YOUTH
10/63	SIGNED 12 P.2.
	· 11n

Well No. 101 10. Property own Address 11. Permic No. 2 13. County_ 12. Wester from A Sec. ct dopts 63 to 1 14. Screen: Dlam.____in. Length: ____ft. Slot. 15. Casing and Liner Place WONG IN 21612 (2013) The (2013) Dram. (m) Aind and Velgha SECTION PLAT 18. Size Hole selow casing:___ ic. 17. Static level _____ft. below casing top which is ____ above ground level. Pumping level _____ft. when pumping at qpm for ____ hours. THICKNESS DEPTH OF BOTTOM FORMATIONS PASSED THROUGH ATE SHEET IF NECESSARY)

_ DATE 11-14-72___

will Durage Duly

White Copy —

111. Dept of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

l.	Type of Well			46
	a. Dug	Bored	Hole Diam. <u>5</u> ir	1. Depth 240 ft.
	Curb materi	al	Buried Slab: Yes.	No
	b. Driven	Drive P	ipe Diamin	. Depthft.
	c. Drilled X	Fin she	d in Drift	In Rock X
		Gravel 1	Packed	•
	d. Grout:			
		(KINE)	FROM (PI.)	TO (Ft.)
		(117/211A		ļ
		,		
_				
2.	Distance to Ne		e m., e.	11 75
	Building		Seepage Tile Fi	eld/
	Cess Pool			iron)
	Privy Septic Tank	50	•)
	Septic lank	222	Barnyard Manure Pile	
_	Leaching Pit _		Manure Pile	Y N
3.	Well furnishes	water for huma	n consumption? Y	esNo
4.	Date well comp	leted	<u> メアー クン</u>	
5.	Permoment Pum	p installed?	ies X Date 1-	- 66 No
	Manufacturer	EC114 3-5-	Type Sukm Loca	tion ACREC
_	Capacity &C'	_gpm. Depth (of Setting 80	F t.
6.	Well Top Seale	d? Y€s_ <u>X_</u> I	No Type Yes No	···
7.	Pitless Adapte	r Installed:	Yes No	
	Manufacturer	WILLIAM	Beltle Number	Der
_	How attached to	o casing?	C) & X Z CW	
8.	Well Disinfecte	d? 'es	No	••
9.	Pump and Equi	pment Disinted	cted? Yes X	No
10.	Pressure Tank	Sizega	Type WX	200
	Location A			
		ubmitted? Y	esNo	
RE	MARKS:			
	Oconer.	enctruc	ted to lo.	
			(6. 28.100

10.	Property owner a Junual Dof	rike_	Well No	
	Address 240 Rossfirlio	_	Loner	1, Je
	Driller Phil Knikeren	ZZ Licens	e No. 10	2-84
11.		Date _		
12.	Water from Rick	13. Cou	nty	ull.
	at depth 25 to 140 ft.	Sec	18	
14	Screen: Diamin.		350/	 - - -
44.	Length:ft. Slot	•	. 1/4=	
		-	· 	
15.	Casing and Liner Pipe			
Die	m. (in.) Kind and Weight	From (Ft.)	To (FL)	BHOW LOCATION IN
12	5 Black 15th	0	54	SECTION PLAT
			0	Ling Hell Mark
				0
16	Size Hole below casing: 43/8	· :-		NE
	Static level 25 It. below casis		-h i=	/ft.
• , .	above ground level. Pumping level			
	gpm forhours.	• • • • • • • • • • • • • • • • • • • •	waca pam	,,
	<u> </u>		1	
18.	FORMATIONS PASSED THROUG	он 	THICKNI	BOTTOM
	Clark 2		0	5
	Sund Shared	7	1	15
	DI LANGE STURES	-	+>/_	73
	Clay 2		1.5	070
	Sand Granel	<u> </u>	2.5	54
	Rack-		54	140
				
			_	
				
(C	ONTINUE ON SEPARATE SHEET IF	NECESSARY	1/2	100
SIG	NED This KNIERES	<u> </u>	TE / 2	186

White Crcy —
III Dept of Public Health
Yellow Croy — Yell Contractor
Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		٠ سو	<i>i</i> !
	a. Dug Bore	d I	iole Diam. <u> </u>	Depth 14 ft.
	Curb material	·	Buried Slab: Yes_	No
	b. Driven	. Drive P	ipe Diam. <u>5</u> in.	Depth 4/1 ft.
	c. Drilled	. Finishe	d in Drift	In Rock
	Tubular	. Gravel I	Packed	
	d Grout:	(KIND)	FROM (Ft.)	TO (Ft)
	 	(KINO)	TAUM (1.17)	
	 			
	ļ		_	
	<u> </u>			
2.	Distance to Neures	t:		_
	Building		Seepage Tile Fie	Id <u>- 75</u>
	Cess Pool		Sewer (non Cast	
	Privy		Sewer (Cast iron)	
	Septic Tank		Barnyard	
	Leaching Pit		Manure Pile	
3.	Well furnishes water	r for huma	n consumption? Ye	s No
4.	Date well complete	d <u> </u>	1 7 75	
5.	Permarent Pump In	stalled? Y	'es Date	<u>/// No</u>
	Minufacturer <u>(181</u>	171 / 7	ypeLocat	ion
	Capacity 1 7 gpr	n. Depth o	of Setting	Ft.
6.	Well Top Sealed?	Yes <u> </u>	loType	
7.	P tless Adapter Ins Manufacturer (1)(\)	stalled?	Yes <u>· </u>	
	Manufacturer 11/11	VIII K Se	Model Numb	er
	How attached to ca	sing?	1-1 CYTIAI	
	Well Disinfected?	Yes	No	
9.	Pump and Equipmen	nt Disinfec	ted? Yes_'	No
10.	Pressure Tank Size	LI ga	L. Type	S- 101 2
	Location	1117 W		
11.	Water Sample Submi	itted? Ye	s No	
	MARKS:			

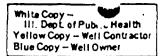
GEOLOGICAL AND WATER SURVEYS WELL RECORD

10.	Property owner 11 /) ////	11/1	w	ell No	·	1/2-2	
	Address Note: 12 Novy			N/-	1000	-1111	-
11	Driller	Licei	ıse		241-	75	
12.	Water from AIDESTONS	Date . 13. Co	unty	1	الأزار	IK.	_
	at depth 49 to 145 ft.			22		111	==
1.4	Screen: Diamin.		_	35%)	╂╼╂╼╁	
14.	Length:ft. Slot			ME	·	 	
		-			_ _	1-1-1	
15.	Casing and Liner Pipe						
Die	m. (in) Kind and Weight	From (Ft.) T.	(Ft.)	LO	SHOW CATION I	N
	5 BIACK	\mathcal{Q}	14	19		TION PL	
					VIII.	54, 2756 Exer-711	'A-
			T			k, ni	
16. 17.	Size Hole below casing: Static levelft. below casing above ground level. Pumping level	g top wh	ich t. w	is	~€ imping	g at	ft.
	gpm for hours. FORMATIONS PASSED THROUGH			********	NESS	DEBTU	
18.				INICA	.NE33	BOTTO	<u>"</u>
	CIAY & GRAV	EL		\mathcal{L})	99	
	LIMESTONE			4	7	145	.— —
_							_
		- 					_
							<u>-</u>
							_
	ONTINUE ON SEPARATE SHEET IF N			<i>i1</i>	<i>~</i> /	1 7	
SIG	NED ROYALO (ROL	D	ATE	: <u>//</u>	-11	1-25	_

IDPF 4.065 1/74 -- KNB-1

- will DuPage Delg. Inc.

INSTRUCTIONS TO DREERS



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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb material	Bu	iried Slab: Yes_	
	b. Driven			
	c. Drilled			In Rock
	Tubular	Gravel Pa	cked	
	d. Grout:	(KIND)	FROM (Pt.)	TO (Ft.)
	 -	(KIND)	PROP. (Fi.)	10 (71.)
	<u> </u>		ļ	
_				
2.	Distance to Near	est:		25
	Building	Ft.	Seepage Tile Fie	la <u>75 </u>
	Cess Pool		•	iron)
	Privy)
	Septic Tank		Barnyard	
	Leaching Pit		Manure Pile	
3.		iter for human	consumption? Ye	es_X No
4.	Date well comple	ted <u>왕- 첫년</u>	1)	
5.		Installed? Ye	s <u> </u>	<u>- 75</u> No
	Manufacturer	EB RCL Ty	peLocat	ion
	Capacityig	pm. Depth of	Setting	<u>'</u> Ft.
6.	Well Top Sealed?	Yes_X_No	Type	
7.	Pitless Adapter I	nstelled? Ye	s <u> </u>	
	Manufacturer M	DILLAICH	Model Numb	er <u> </u>
	How attached to	casing?	NOCKNUT	
8.	Well Disinfected?	'es_ <u>X</u>	No	
9.	Pump and Equipm	ien: Disinfecte	d? Yes X	No
0.	Pressure Tank Si	ze_ <u>1-12</u> gal.	Type	- 302
	Pressure Tank Si	192115 AS	<u>(</u>	
1	Water Sample Sub	mitted? Yes	No.	
	MARKS:			
	·····			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10.	Property owner Right STO 13	<u> </u>	Well No)	1045
	Address	==			
		Licens	e No	160	-44
11.	Permit No. 39145	Date _	7-	<u> </u>	5
12.	Water from <u>LIMESTINE</u>	13. Cou	nty	vil	7
	at depth 1-5 to 145 ft.		. 22	-	
14	Screen: Diamin.		350		
17.			. 1/8		
		-	·	·	
15.	Casing and Liner Pipe		, 		
Die	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)	LO	SHOW Cation in
1	5 RIAK		65		TION PLAT
		1			53
\vdash				Line	sho Mans
<u></u>	C: 11-1 1 1 :			w/	a NIE
16. 17.	Size Hole below casing: Static levelft. below cas		-h i-	,	ft.
-7.	above ground level. Pumping le				
	gpm for hours.		waca pe		,
					
18.	FORMATIONS PASSED THROU	IGH	THICK	NESS	DEPTH OF BOTTOM
	CLAY & GRACE	Ĺ	1/	')	102
_					4
			 -		
	LIMESTONE		16	5	145
			 -		
					_
					<u> </u>
	ONTINUE ON SEPARATE SHEET IF		•	_	
Sici	(House O) (Do	1.) . 1.	11.75
	NED //// NUN NED ///	<u>-{`</u> DA	TE		9-7-2
	NED Kornlol Ka		TE		4-7)

IDPH 4.065 1/74 - KNB-1 FILL IN ALL PERTINENT INFORMATION REQUIRED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF NVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	b. Driven c. Orilled	Drive Pipe Finished	ried Slab: Yes.	. Depth 1 1 ft. In Rock
	d. Grout:			,
	-	(KIND)	FROM (Ft.)	TO (Ft.)
	<u> </u>	•		
2.	Distance to Neor	7i Ft.	Seepage Tile Fi Sewer (non Cast Sewer (Cast iror	iron)
	Septic Tank	<u> </u>	Barnyard Manure Pile	
3.	Is water from this YesN	well to be use		
	Date well complete		15-12	
5.	Per nanent Pump	nsigned? Y	1 4 T	The comments
	Manufacturer Capacity / (uppi. Dept	h of setting	VY ft
6.	Wel Top Sealed?		No	
7.	Pitless Adaptor I	stalled? Y		lo
8.	Well Disinfected?	Yes	No	
9.	Water Sample Sub	nitted? Yes	1	Vo
REN	MARKS:	٠		
10	PH 4.065 -72 B-1			·

Gi	POLOCICA	T VIÁD MA	HIEL S	OUHVE.	121	WELL H	ECO	עא	
		and!		1	~		5	ラフ	
	perty owner	- 4	100	100		Well No	. <u>ب</u>	1 2-	
	iress	m Mar	2 450	20x 2			1. 7	- /	-
	ller	Can				e 🥦 🚣	<u>, , , , , , , , , , , , , , , , , , , </u>	- 1/	_
	mit No. 🔿)) j		Da		all the		3 d -	<u>.</u>
12. Wat	er from	Formation	esto,	1 3.	Cour	117	ULS.		-
at d	lepth	0/45Ti.			Sec.	26			
	en: Diam.				Twp.	350	<u>'</u>		7
Len	igth:1	t. Slot			Rge.	110	_	 	1
					Elev	11	.	 	1
15. Cas	ing and Lir	er Pipe		•					
Diem. (ir	1.) Ki	nd and Weigh	ht	From (F1.)	To (Ft.)	Loc	SHOW CATION IN	r
]		15	84	SECT	TION PLA	T
	D.		7		=	4		3 dg	
							6 4	tetin d	المسك
				<u> </u>					
		w casing:			, .	, ,		,	
		ft. belo							
		evel. Pump	ing leve	ar ——	II.	when pu	mping	at	
- gpii	for	nours.							_
18.	FORMATIO	NS PASSED	THROUG	ii n		THICK	NESS	DEPTH O	ř.
70	1011	With	7 12	7.1				94	7.
1	my-	1000	<u>v </u>	7			_0	0,	
	· · · ·	For	ens	mo	_	A	4.	195	5
			76-				7		
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(CONT	INUE ON SEI	PARATE SIII	CETIF	NECESS	ARY.)	,		<u> </u>
	/ /	1///	1/2	-	-		1	29	/3,
SIGNED	<u>-</u> '	[1.(1		·	- DA	TE	<u>''</u>		<u>:-</u> :
1		\circ	<i>.</i>						
ι	N286-8	he Minor	120	44					



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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

. 1.	b. Driven	Bic. Drive Pip Finished	ried Slab: Yes	n. Depth // ft In Rock
	d. Grout.	(KIND)	FROM (Ft.)	TO (Ft.)
3.	Distance to Neare Building Cess Pool Privy Septic Tank Leaching Pit Is water from this Yes No Date well complete	Ft. 50 well to be us	Sewer (non Cast in Sewer (Cast in Barnyard Manure Pile ed for human co	onsumption?
5.	Permanent Pump I Manufacturer (A) Capacity (a) (rt) Well Top Sealed?	ns:alled? Y il-tuf _cpm. Dep	th of setting	No_ Lubm. 130 #
7. 8. 9.	Pitless Adaptor In .Well Disinfected? Water Sample Subm	stalled? Y	'esNo	No
	PH 4.065			i

10	Propert	ly owner July Lang	Luz. he	¬w	all No	===	45	
10.	Addres	is her faren		` '''	e	·		
		Track-us	Licens		No 6	77-	77	
11		No. 21064						
12.	Water f	roin Limin time	13. Com	יים. מינים	(1.1.	2	
		romation					1-1-1-	
		th $\frac{C}{C}$ to $\frac{74}{ft}$.			27	/	 	
14.		: Diamin.	Twp	ند ۱۰	3.7	<u>У</u>		
	Length	::ft.			1/5	- [
10	α·	litt Dr.	Elev	/· -	-	.		
15.	Casing	and Liner Pipe	,				نصلطا	
	m. (in.)	Kind and Weight	From (Ft.)	То	(Ft.)	LO	SHOW CATION IN	
-	Υ	Black 15th	0		フゾ	SECT	MON PLAT .	
				-		NE	NUKW	
		· · · · · · · · · · · · · · · · · · ·		<u> </u>				
<u></u>	C: 77	<u> </u>	<u> </u>	L_		l		
		ole below casing:		,				
17.		levelft. below casi						
		ground level. Pumping lev r hours.	e1 It.	. w	nen pi	mbrud	at	
	dbu 10	r nours.						
18.		OUGHIT DESEAR SHOITAMNO	ЭН		THICE	NESS	DEPTH OF BOTTOM	
9	7.	we relay				`	7(,	
_	سالال	me 1 - Clay					1 2	
		0						
	_	linesione			フ	4	120	
) solone					7.50	
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IC	ייאדראי	E ON SEPARATE SHEET IF	NECESSARV	—— ^	L			
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JIU	1100	~	·	I				_
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	C.	with mella	je /	٠,	~~ ·			

White Copy -III. Copt. of Public Ith -Yellow Copy - Weil Cantractor Blue Cony - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUES AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

I.	Curb materi b. Driven c. Drilled Tubular	Bored . Ho ial . Bu . Drive Pipe . Finished i . Gravel Pa	ried Slab: Yes_ Diam. <u>5</u> in. n Drift	No Depth Cofft.
	d. Grout:	(KIND)	FROM (FL)	TO (Ft.)
_	_		<u>'</u>	· · · · · · · · · · · · · · · · · · ·
2.	Distance to Ne	arest:	o m., 5.	11 75
	Building/	Ft. :	Seepage lile Fie	iron)
	Cess Pool		•)
		50	Bewei (Cast non	/
			Manure Pile	
3.		his well to be use		
				2
4.	Date well comp	No	2-13	
	Permanent Pun	nn Installed? Yo	/ _	No
	Manufacturer _	Werkir	Type Type	wyn,
	Capacity 60	gpri. Dept	h of setting	150 ft.
		d? Yes		
7.	Pitless Adapto	r Installed? Y	esN	o
8.	Well Disinfecte	d? Yes	No	
9.	Water Sample S	Submitted? Yes	N	10
RE	MARKS;			
ומו	PH 4.065			
10	-72			

GEOLOGICAL AND WATER SURVEYS WELL RECORD 10. Property gwner Address __ Driller ___ 11. Permit No. 74. 13. County_ 12. Water from at depth 🙋 14. Screen: Diam. _ Length: ____ft. Slot_ 15. Casing and Liner Pipe SHOW Diem. (in.) Kind and Weight From (Ft.) To (Ft.) LOCATION IN SECTION PLAT SW NW NE 16. Size Hole below casing: 17. Static level ____ft. below casing top which is _____ above ground level. Pumping level ____ ft. when pumping ct___ qpm for ____ hours. FORMATIONS PASSED THROUGH THICKNESS DEPTH OF BOTTOM 18. (CONTINUE ON SEPARATE SHEET IF NECESSARY) DATE 1-25-73

KNE-1

Mice. Kulage Dely.

INSTRUCTIONS TO D. ERS

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III. Dept. of Public Health
Yellow Copy — Well Contractor
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GEOLOGICAL AND WATER SURVEYS WELL RECORD

Many _2

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

		10. Property owner Marie (United)	Well No.
,	Type of Well		- Lonel
4.	a. Dug Bored Hole Diam. 5 in. Depth 46 ft.	Driller Hall Knierren Licen	Se No. 103-84
	Curb material Buried Slab: Yes No	11. Permit No. 97143, Date	11-3-80
	b. Driven Drive Pipe Diam in. Depth ft.	12. Water from <u>RA-CR</u> 13. Co	unty Will
	c. Drilled X Finished in Drift In Rock X	Pormetico	
	- · · · · · · · · · · · · · · · · · · ·	at depth <u>30</u> to <u>140</u> ft. Sec	:. <u>.7.9/</u> 1
	Tubular Gravel Packed	14. Screen: Diamin. Tw	p. 35-1/
	d. Grout: (KIND) PROM (Ft.) TO (Ft.)	Length:ft. Slot Rge	e. <u>///</u>
	Cutting		.v
	Lacing 1	15. Casing and Liner Pipe	
			To (Ft.) SHOW
			LOCATION IN
2	Distance to Nearest:	5 Black 15/1 0	80 SECTION PLAT
	Building Ft. Seepage Tile Field		
	Cess Pool Sewer (non Cast iron)		
	• • • • • • • • • • • • • • • • • • • •	16. Size Hole below casing: 43/5 in.	
	Privy Sewer (Cast iron) Barnyard	17. Static level <u>20</u> ft. below casing top wh	iah ia / O
	Leaching Pit Manure Pile	above ground level. Pumping level 20 f	ien is
2	Well furnishes water for human consumption? Yes X_No	gpm forhours.	when pumping at
J.	Date well completed	gpm for nours.	
4.	Permanent Pump Installed? Yes X Date 11-31-80 No	18. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
Э.			
	Manufacturer BA2222 Type Sukm Location Well	Sul	0 5
_	Capacity 20 gp n. Depth of Setting 60 Ft.	i Paul	5 40
	Well Top Sealed? Yes_X_NoType	Cury	
7.	Pitless Adapter Installed? Yes No No	Signiel	40 80
	Manufacturer 1999 10 16 16 Model Number	O. A.	80 140
_	How attached to cesing? Balted	AMA	
8. •	Well Disinfected? Yes No No		
9.	Pump and Equipment Disinfected? Yes You		
0.	Pressure Tank Size gal. Type A		
	Location Base-ment		
1.	Water Sample Submitted? YesNoNo		
	MARKS:		
	Geoner instructed to do so.		Ì
B	dioner instructed was so.	ACCUMUM ON ADD. D. M. AUGUST.	
		(CONTINUE ON SEPARATE SHEET IF NECESSAR	Y)
		SIGNED The I Kneeren p	ATE 11-2:1-80
		SIGNED - TOTAL DELLEMAN	ATE

INSTRUCTIONS TO DRIVE ERS

White Copy —
III. Dept. of Publishealth
Yellow Copy — Well Contractor
Blue Copy — Well Owner

1. Type of Well

FILL IN ALL PERTINENT INFORMATION REQUES AND MAIL ORIGINAL TO 1 A FE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 /EST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	a. Dug	. Borec	Hole	Diami	n. Depth <u>185</u> ft	: .		Drille	<u>r C</u>
	Curb mate	rial	Burie	ed Slab: Yes	No	_ 1	11.	Permi	t No
	b. Driven	Di	rive Pipe I	Digam5_ir	n. Depth <u>40</u> ft . In Rock X	.]	2.	Water	from
	c. Drilled	X . F	inished in	Drift	. In Rock X	.•			. L
	Tubular_	G	ravel Pack	ed	•		1.4	at dep Screen	
	d. Grout:					, ،	.4.	Length	
		(K1	ND)	FROM (Ft.)	TO (Ft.)	-{		Lengu	·· —
						4 ,	15	Casin	a an
		ļ			<u> </u>	-			
					<u> </u>	ا ز	Dia	m. (in.)	┼
2	Distance to 1	V						5	A
۷.	Distance to I Building		E. C.	THE TO	-1251	[
					eld +125				1-
	Cess Pool			•	iron)		_	C: 1:	
	Privy Septic Tank	+1001			1)			Size H	
	Leaching Pit		Ба Ма				. / .	Static above	
3					es_X_No			qpm fo	-
	Date well con							dbm re	<u>" — </u>
					No <u>X</u>	- i	8.	1	FORM
٥.	Manufacturer	այի աջաւ	Tuno	Date	rtion	-			
					F			Top :	<u>So1.</u>
6					min-Proof (W			Clay	
7	Pitless Adap	tor Installe		Y No	<u> </u>	MO./ _			
٠.	Manufacturer	W1171	າຫເຊ ຈາກເຊ	Model Num	ber501TC	-		Grave	=1
	How attached	to casina	Compre	ssion Gasl	cet Connectio	n		Limes	stor
8.	Well Disinfed	ted? Ye	s X 1	No	cet Connectio				
					_No				
	-								
	Location			770					
11.	Water Sample			No 3	{	- ν.		.	
	MARKS:	545 1111(100		0))5(3)	TO DESCRIPTION	χ			
			18	JA MARIE		٠ ، ٩ ^٥ ٠			
				11		<i>\$</i> 20 ` .			
			•	13 Nov	-4/2/3	7 2	(CC	טאדדאכ	E O
				" NUV 3	المشت 1988 ن	'D			17/
						S	IGN	AED ¬	<u> </u>

GEOLOGICAL AND WATER SURVEYS WELL RECORD

0. Prope	rty owner Ro	od Heeg		Well No). <u> </u>	
Addre	ss <u>Cedar</u> I	Road Loc	kport, I	<u>L</u>		
		Fykes				0239
l. Permi	t No006	349				
2. Water	from Limes	stone	13. Cou	nty <u>W.L.</u>	11	
	th <u>38</u> to _		Sec.	28-	μ	X/
	ı: Diam			- <u>35N</u>		
	h:ft. S		Rge			┞╌╂╌╂╾
				/		
5. Casin	g and Liner F	Pipe			<u> </u>	
Diem. (in.)	Kind a	nd Weight	From (Ft.)	To (F1.)	4 LOC	SHOW CATION IN
5	A-53	15 lbs.	0	40	1	TION PLA
					NE	NE NE
	1				1	, •
7. Static above	level10_	sing: 5 ft. below casis Pumping levels.	ng top whic			
7. Static above gpm fo	level 10 ground level or 2 hour	ft. below casing. Pumping leve	ng top whicel <u>100</u> ft.	when pu		r at _12
7. Static above gpm fo 8.	ground level or2_hour	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	THICE	imping	ot 12
7. Static above gpm fo	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	THICE	imping	DEPTH OF BOTTOM
7. Static above gpm for 8.	ground level or2_hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	THICE	imping	ot 12
7. Static above gpm for 8. Top Clay Grav	ground level or2_hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	THICE	imping	DEPTH OF BOTTOM 2' 30'
7. Static above gpm for 8. Top Clay Grav	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	28 8	imping	DEPTH OF BOTTOM 2' 30' 38'
7. Static above gpm for 8. Top Clay Grav	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	28 8	imping	DEPTH OF BOTTOM 2' 30' 38'
7. Static above gpm for 8. Top Clay Grav	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	28 8	imping	DEPTH OF BOTTOM 2' 30' 38'
7. Static above gpm for 8. Top Clay Grav	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	28 8	imping	DEPTH OF BOTTOM 2' 30' 38'
7. Static above gpm for 8. Top Clay Grav	ground level or2 hour FORMATIONS F	ft. below casin Pumping levens.	ng top whicel <u>100</u> ft.	28 8	imping	DEPT BOT

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
	a. Dug	Bored Ho	le Dicm. <u>ح</u> ir	n. Depth/60ft.
	Curb materi	al Bu	rried Slab: Yes_	No
				. Depthft.
				In Rock X.
		Gravel Pa	cked	
	d. Grout:	(KIND)	FROM (Pt.)	TO (Ft.)
		4 - 77 - 4		
			<u> </u>	
		<u></u>		
		L	<u> </u>	1
2.	Distance to Ne	arest:		
	Building	FL	Seepage Tile Fi	eld <u>25</u>
	Cess Pool			iron)
	Privy		Sewer (Cast iron)
	Septic Tank	80	Barnyard	
	Leaching Pit_			
3.	Well furnishes	water for human	consumption? Y	esNo
4.	Date well comp	حا	-RU-38	
5.	Permanent Pum	p Installed? Ye	s 🔀 Date	No
	Manufacturer <	TZ- Ty	posed-Loca	tion Well
				<u> </u>
6.	Well Top Seale	d? Yes_∠<_No	Type	
7.	Pitless Adapte	r Installed? Ye	s X No_	
	Manufacturer	dicama	Model Numi	er
		d? Yes <u>≻</u>		
9.	Pump and Equip	pment Disinfecte	d? Yes 🔀	No
10.	Pressure Tonk	Sizegal.	Type	r you
		Blizzania		<u> </u>
		ubmitted? Yes	No	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	MARKS:			Co \$30459
-4	11 14 000	as amot	neted ?	to do so

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Country Villan Harri No.

Address 17500 mclan	non de	يعرم	t 60441
Driller Phil Anien	Licens	e No	102:84
11. Permit No3.52.5	Date	<u> چھ سی</u>	-98
12. Water from Sametica	13. Cou	aty <u>LL</u>	isse
at depth 80 to 160 ft.		29.10	
14. Screen: Diamin.		. <u>35 N</u>	
Length:ft. Slot		LIE	
	Elev	/	┡╌╂╌╂╍╂╍
15. Casing and Liner Pipe			لإسلسلا
Diem. (in.) Kind and Weight	From (Ft.)	To (Ft.)	SHOW LOCATION IN
5 PVC	0	80	SECTION PLAT
			SE SE SE
	_		
16. Size Hole below casing: 422		L	ı
17. Static level 2 ft. below co	sing top which	h is	ft.
above ground level. Pumping 1			
gpm for <u>4</u> hours.			
gpin tot nours.			
	VGH	THICK	NESS DEPTH OF
18. FORMATIONS PASSED THRO	ноон	тніск	NESS DEPTH OF BOTTOM
	Joie Joie	Тніск	NESS DEPTH OF BOTTOM
	Joie Elen	THICK	NESS DEPTH OF BOTTOM
	Joie Clay	3) 3 65
	Joie Dan Brand	3	65 80
	Joie Bravel Bravel	3	65 80
	Soil Clin Brand Bock	3	65 80
	Joie Den Brand Brand	3	65 80
	Joie Bravel Bravel	3	65 80
	Joie Brand Brand	3	65 80
	Joie Bravel Bravel	3	65 80
	Joie Bravel Bravel	3	65 80
	Joie Bravel Bravel	3	65 80
	Soil Orand Brand	3 64	65 80

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb material b. Driven c. Drilled	Drive Pipe	ried Slab: Yes_ e Diamin.	Depth <u>\$3</u> ft. In Rock
	12. G.OM	(KIND)	FROM (Ft)	TO (Ft)
2.	Distance to Near	rest:	a a u b i	75
	Building	<u>'</u> Ft.	Seepage Tile Fie	eld
	Cess Pool			iron)
	Privy Septic Tank	 '		
	Leaching Pit		Manure Pile	
7	Well furnishes w	ater for human	consumption? Ye	s X No
4.		eted 3	- 4-78	
	Permanent Pump	Installed? Yes	s X Date 3-5	-75 No
	Manufacturer VV Capacity 10	2 btfc Ty	oeLocat	ion
	Capacity 10	gpm. Depth of	Setting	<u>₹3</u> Ft.
6.	Well Top Sealed?	Yes_X No.	Type	
7.	Pitless Adapter Manufacturer	Installed? Ye	sX No	
	Manufacturer	Jantinso	Model Numb	er <u>S-16</u>
	How attached to	casina?	LOCKNU	<u>+-</u>
8.	Well Disinfected	? Yes <i>X</i>	No	
9.	Fump and Equipm Fressure Tank S	nent Disinfecte	d?Yes	No
10.	Fressure Tank S	ize // L gal.	Type W	X - 202
	Location			
	Water Sample Sul	omitted? Yes	No	
RE	MAR K S:			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10.	Property	owner 11. M Bol	Kur	Well No	L	150
	Address	Mallenor J	. 2 L			17.
	Driller	Troutman No. 44998	Licens	se No		7/2
11.	Permit !	om Limistry	Date _		<u> </u>	. 11
12.		Pormetion				
		183 to 160 ft.	Sec	. <u>29</u>	بر ' <u>ل</u> ـــ	
14.		Diconin.		. <u>357(</u>	4	
	Length:	ft. Slot	-	. 11 E	- [
15.	Casing	and Liner Pipe	Elev	/. 	×.	
Dia	m. (in.)	Kind and Weight	From (Ft.)	To (Ft.)		SHOW CATION IN
	45	Black	C	83	SEC	TION PLAT
				3	700	ځس ځږ
\vdash						
<u> </u>	C: IV-	1. 1. 1		L	I	
10.	Static le	le below casing: evelft. below casi	In. In.	-h ie		· •
17.	above a	round level. Pumping lev	ng top wint el ft	when n	mnin	
		bours.	••	when pe		,
						DEDTU OF
18.		RMATIONS PASSED THROUG	,u	THICK	NESS	DEPTH OF BOTTOM
18.		ICH + CIVO		тніск	<u>O</u>	83
	C,	Tay + Cra	V9/	THICK	0	83
	C,		V9/	THICK	() (3)	83 160
	C,	Tay + Cra	V9/	THICK	0	83
	C,	Tay + Cra	V9/	THICK	0	83
	C,	Tay + Cra	V9/	THICK	0	83
	C,	Tay + Cra	V9/	THICK	0	83
	C,	Tay + Cra	V9/	THICK S	0	83
	C,	Tay + Cra	V9/	THICK	0	83
	C,	Tay + Cra	V9/	THICK	0	83
18.	C,	Tay + Cra	V9/	S	0	83
	\(\text{\(\text{\)}}	Tay + Cra	V	8	0	83
	L L	ON SEPARATE SHEET IF	NECESSARY	8	73	83
	L L	ON SEPARATE SHEET IF	NECESSARY	8	73	83
- CCC SIGN	DINTINUE VED	lay & Gra	NECESSARY	8	73	83

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Dlam. 5 in. Depth 165 ft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diam 5 in. Depth83 ft.
	c. Drilled X Finished in Drift In Rock X.
	Tubular Gravel Packed
	d. Grout: (KIND) FROM (FL.) TO (FL.)
	(KINO) PROB (T.)
2	Distance to Negrest:
	Building 30 Ft. Seepage Tile Field 120'
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast iron)
	Septic Tank 100' Barnyard
	Leaching Pit Manure Pile
3	Well furnishes water for human consumption? Yes X No
	Date well completed <u>April 1, 1988</u>
	Permanent Pump Installed' Yes X Date 4-06-88 No
•	Manufacturer Webtrol Type Subm. Location Well
	Capacity 15 gpm. Depth of Setting 100 Ft.
6	Well Top Sealed? Yes X No Type Vermin-Proof (Wms.)
7.	Pitless Adopter Installed? Yes X No
	Manufacturer Williams Model Number 501TC
	How attached to casing? Compression Gasket Connection
8.	Well Disinfected? Yes X No
	Pump and Equipment Disinfected? Yes X No
0.	Pressure Tank Size 88 gal. Type WM-25 Well Mate
	Location basement
1.	Water Carala Submitted 12 Van No X
	MARKS: # 240
	Co #30340

10.	Proper	ty owner	Richard Wise		Well No.	. <u> </u>	
			Oak Avenue				
			es Fykes			2-00	239
			758			11	
12.		from Lim		13. Cou	-		
		th <u>83</u> to		Sec.	31.40	X	
14.		h:Dicom h:ft.		Twp	. 35 N . 11 E	· L	
	Cengu	ın.	310(rige Elev		. L	X
15.	Casino	g and Line	r Pip e	E.M.	. ———	· L	
ומ	- (in.)	Einc	and Weight	From (Ft.)	To (Ft.)]	SHOW
	5	A-53		0	83	SEC	CATION IN TION PLAT
						Na) NUISE
		 					
16	Sine N	lala balaw	casing: 5	<u> </u>			
					ch is	+1	ft
	above	ground lev		3 80 4			. 15
		ground let	ei. Pumping iev	81 <u>- 00 - 1</u> 1.	. when pu	mpino	ــــــــــــــــــــــــــــــــــــــ
	gpm fo	or _1_ bo	ft. below casi el. Pumping lev ours.	61 <u>-00 </u> 1€.	when pu	mpın	g at <u></u>
18.			PASSED THROUGH		тніск		DEPTH OF
18.		FORMATION			THICK		
18.	-	FORMATIONS Soil			тніск	NESS	DEPTH OF BOTTOM
18.	Top :	FORMATIONS Soil	PASSED THROUG		1-2	0'	DEPTH OF BOTTOM
18.	Top :	FORMATIONS Soil	PASSED THROUG		1 2 5	0' 0'	DEPTH OF BOTTOM 10' 30
18.	Top :	FORMATIONS Soil & Grave	PASSED THROUG		1 2 5	0' 0' 3'	10' 30 83'
18.	Top :	FORMATIONS Soil & Grave	PASSED THROUG		1 2 5	0' 0' 3'	10' 30 83'
18.	Top :	FORMATIONS Soil & Grave	PASSED THROUG		1 2 5	0' 0' 3'	10' 30 83'
18.	Top :	FORMATIONS Soil & Grave	PASSED THROUG		1 2 5	0' 0' 3'	10' 30 83'
18.	Top :	FORMATIONS Soil & Grave	PASSED THROUG		1 2 5	0' 0' 3'	10' 30 83'
	Top S Clay Sand Limes	Soil & Grave	PASSED THROUGH	H	1 2 5 8	0' 0' 3'	10' 30 83'
	Top S Clay Sand Limes	Soil & Grave	ARATE SHEET IF	NECESSARY	1 2 5 8	0' 0' 3' 2'	10' 30 83' 165'

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well a. Dug Bored Hole Diam5_in. Depth_125ft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diam 5 in. Depth _ 47 ft. c. Drilled _ X Finished in Drift In Rock X
	Tubular Gravel Packed
	d. Grout: PROM (Pt.) TO (Ft.)
_	
2.	Distance to Nearest:
	Building 30 Ft. Seepage Tile Field 75'
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast iron) Septic Tank 50' Barnyard
	Septic Tank 50' Barnyard Leaching Pit Manure Pile
3.	
э. 4 .	
	Permanent Pump Installed? YesDateNo_X_
J.	Manufacturer Type Location
	Capacityapm. Depth of SettingFt.
6	Well Top Sealed? Yes X No Type Vermin-Proof (Wms.)
	Pitless Adapter Installed? Yes No
•	Manufacturer Model Number
	How attached to casing?
8.	Well Disinfected? Yes X No
	Pump and Equipment Disinfected? YesNo
	Pressure Tank Sizeqal. Type
	Location
1.	Water Sample Submitted? YesNoX
	MARKS:

16. Size Hole below casing:5in. 17. Static level5ft. below casing top which is above ground level. Pumping level10 ft. who gpm for hours.	-9-83 Will 31.7a 35N 11E	23
Driller Charles Fykes License No. 11. Permit No. 110415 Date 11 12. Water from Limestone 13. County Formation at depth 46to 125 ft. Sec. 14. Screen: Diamin. Twp Length:ft. Slot Rge Elev 15. Casing and Liner Pipe Dism. (in.) Kind and Weight From (Ft.) To (5" A-53 15 1bs. 0	-9-83 Will 31.7a 35N 11E	SHOW LOCATION IN ECTION PLAT
11. Permit No.	9-83 Will 31.7a 35N 11E	SHOW LOCATION IN ECTION PLAT
12. Water from Limestone 13. County Formation at depth 46to 125 ft. Sec. 14. Screen: Diam. in. Twp. Length: ft. Slot Rge. Elev. 15. Casing and Liner Pipe Diem. (in.) Kind end Weight From (Ft.) To (Will 31.7a 35N 11E	SHOW LOCATION IN
at depth 46to 125 ft. Sec	31.7a 35N 11E 	SHOW LOCATION IN
14. Screen: Diamin. Twp Length:ft. Slot Rge Elev 15. Casing and Liner Pipe Diem. (in.) Kind end Weight From (Ft.) To () 5" A-53 15 lbs. 0 16. Size Hole below casing:5 in. 17. Static level5 ft. below casing top which is above ground level. Pumping level10 ft. who gpm for hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	35N. 11E. (Ft.)	LOCATION IN ECTION PLAT
Length:ft. Slot Rge	11E (FL)	LOCATION IN ECTION PLAT
Elev. — 15. Casing and Liner Pipe Diem. (in.) Kind and Weight From (Ft.) To (5" A-53 15 lbs. 0 16. Size Hole below casing:5 in. 17. Static level5 ft. below casing top which is above ground level. Pumping level10 ft. who gpm for hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	(Ft.) I	LOCATION IN ECTION PLAT
Diem. (in.) Kind and Weight From (Ft.) To (5" A-53 15 lbs. 0 16. Size Hole below casing:5 in. 17. Static level5 ft. below casing top which is above ground level. Pumping level10 ft. who gpm for hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	(Ft.) I	LOCATION IN ECTION PLAT
5" A-53 15 1bs. 0 16. Size Hole below casing: 5 in. 17. Static level 5 ft. below casing top which is above ground level. Pumping level 10 ft. who gpm for 1 hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	47 8	LOCATION IN ECTION PLAT
16. Size Hole below casing:5in. 17. Static level5ft. below casing top which is above ground level. Pumping level10 ft. who gpm for hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	47 81	ECTION PLAT
16. Size Hole below casing: 5 in. 17. Static level 5 ft. below casing top which is above ground level. Pumping level 10 ft. who gpm for 1 hours. 18. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	S	E SW SW
7. Static level ft. below casing top which is above ground level. Pumping level 10 ft. who gpm for hours. 8. FORMATIONS PASSED THROUGH Top Soil Clay Gravel		
7. Static level ft. below casing top which is above ground level. Pumping level 10 ft. who gpm for hours. 8. FORMATIONS PASSED THROUGH Top Soil Clay Gravel	į.	
Clay Gravel	THICKNE	SS DEPTH OF BOTTOM
Gravel	2'	2'
	42'	44'
Limestone	2'	46'
		125'
	79 '	
	79'	
	79'	
	79'	
(CONTINUE ON SEPARATE SHEET IF NECESSARY) SIGNED DATE	79'	

INSTRUCTIONS TO DRILLERS

White Croy -Hi Dout of Public Health Yellow Caby - Hell Contractor Blue Cosy - Wel Owne:

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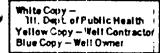
GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF DUBLIC HEALTH

1.	WELL CONSTRUCTION REPORT Type of Well a. Duy Bored Hole Diamin. Depth Ot. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diamin. Depth 43 ft. c. Drilled Finished in Drift In Rock Tubular Gravel Packed d. Grout: (KIND) FROM (Pt.) TO (Ft.)	10. Property owner	<u> </u>
2.	Cistance to Neurest: Building Ft. Seepage Tile Field Cess Pool Sewer (non Cast iron) Privy Sewer (Cast iron) Septic Tank Barnyard Lecching Pit Manure Pile		
3.	Well furnishes water for human consumption? Yes NoNo	gpm for hours.	ut
4.	Date well completed 7-19-76		
5.	Permanent Punc Installed? Yes Date 7-19 No No	18. FORMATIONS PASSED THROUGH THICKNES	DEPTH O BOTTOM
_	Corpacity Ogpm. Depth of Setting 43 Ft.		
	Well Top Sealed? Yes No Type		
7.	Pitles: Adapter Installed? Yes No No	Line ton	100
	Manufacturer Martin Model Number 65 How attached to casing?		
ρ	Well Disinfected? YesNo		
	Pump and Equipment Disinfected? Yes No		
10.	Pressure Tank Size 43 gal. Type Well + Fref Location Description		
11.	Water Sample Submitted? YesNo		
	MARKS:		
		(CONTINUE ON SEPARATE SHEET IF NECESSARY)	-m

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INSTRUCTIONS TO DRILLERS



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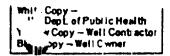
ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Dlam. 5 in. Depthft.
	Curb material Buried Slab: YesNo
	h. Driven Drive Pipe Diamin. Depthft.
	c. Drilled X . Finished in Drift In Rock
	Tubular Gravel Packed
	d Grant:
	(KIND) FROM (FL.) TO (FL.)
	cuttings 0 72
	<u> </u>
2.	Distance to Nearest:
	Building 25 Ft. Seepage Tile Field 75
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast iron)
	Septic Tank Barnyard
	Leaching Pit Monure Pile
3.	
4.	Date well completed 9-9-83
5.	
	ManufacturerTypeLocation
	Capacity 10 gpm. Depth of Setting 120 Ft.
6.	Well Top Sealed? Yes X No Type Williams
7.	
	Manufacturer Baker Lockhodel Number
	How attached to easing?
8.	Well Disinfected? Yes_XNo
9.	Pump and Equipment Disinfected? Yes X No
0.	Pressure Tank Sizegal. Type
	Location
1.	Water Sample Submitted? YesNo
RE	MARKS:
	Owner instructed to take comple
	Owner instructed to take sample.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10 Propert	y owner Gerald Kes	tel	Well No	
Addres	12 Housed South			
11. Permit 12. Water f	No. 109233 Itmestone	Date _ 13. Cou		I
14. Screen	h to ft. : Dicom in. : ft. Slot	Sec. Twp Rge	$\frac{35N}{13}^{\circ}$	
15. Casing	and Liner Pipe	Elev	· [
Diem. (in.)	Kind and Weight	From (Ft.)	L.	SHOW DCATION IN CTION PLA
5	Black Steel	0	12	SE NE
	•			Je 7,0
	ORMATIONS PASSED THROUGH	GH	THICKNESS	DEPTH OF
	ice & Clay		65	65
Sand	& Gravel	·	5	70
Broke	en Lime		2	72
Limes	tone		118	
<u> </u>			110	190
	soone		110	190
			110	190
	·		110	190

1DPH 4.065 1/71 - KNB-1 (69571-1234M Setu-6-74)



8. 9. 10.

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALT CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINO 1252761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

				-	10. Property	owner Christ's Mi	ssion Lu	hegan C	hurch
1.	Type of Well				•	P.O. Box 225 No			-
-		Bored Hol	e Diazn. 5 in	Depth 110 ft.		ill-DuPage Dril			00445
		al Bur			11. Permit N	to. <u>91384</u>	Date 11	L-13-79	
		Drive Pipe				<u> Limestone</u>			
		Finished in				Formetion	Sec.		
		Gravel Pac				toft.	Sec. Twp.	15N -	
	d. Grout:					Diamin.			
		(KIND)	FROM (Ft.)	TO (Ft.)	Length:	ft. Slot	Rge.]		
		cuttings	00	70	16 (0)	1.1.ta Dia	Elev.		\Box
					15. Casing o	and Liner Pipe			السلسلا
					Diam. (in.)	Kind and Weight	From (Ft.) T	o (FL)	SHOW CATION IN
_		•			5 B1	ack Steel 14.98	0	/() 1	TION PLAT
2.	Distance to Ne			75				300	3W 5W
	Building		eepage Tile Fi						
	Cess Pool			iron)	<u> </u>		<u> </u>		
	Privy)		e below casing: 5		,	_
	Septic Tank			· · · · · · · · · · · · · · · · · · ·	17. Static le	vel 20 ft. below casi	ng top which	is	ft.
_	Leaching Pit _				above gr	ound level. Pumping leve	el <u>20</u> ft. w	hen pumping	g at <u>1.0</u>
		water for human c		es_X_ No	gpm for _	4 hours.			
4.	Date well comp	leted <u>11-13-</u>	79 75 D. 11 1	6.70.	18. FO	RMATIONS PASSED THROUG	H	THICKNESS	DEPTHOF
5.		ip Installed? Yes			10.				BOLION
		Gould Typ		Ft.					<u></u>
c	Wall Tax Saala	_gpm. Depth of S d? YesX_No_	T Wil			Clay & Gravel		70	70
0. 7	Well 100 Sedie	r Installed? Yes	Iype ···	TTOMS Cap		Ordy a craver		 '~-	
/.	Manufactures	Williams	Nodel Number	B50AC					
		o casing? loc		Jet		Limestone		40	110
Я		ed? Yes X							
		pment Disinfected		No				ļ	
າດ	Pressure Took	Size <u>220</u> gal.	Type Well-	X-Trol				1	j
	Location	Utility Ro	Om						
11		ubmitted? Yes_				<u> </u>		<u></u>	
		er instructe							
	OW1.16	si iliberuce	ca co canc	. Sumpre.		•			
								<u> </u>	<u> </u>
					CONTINUE	ON SEPARATE SHEET IF	MEGECCARIO		
					(CON TINUE)	OH SELAKATE SHEET TE	MECESSARY)		
					SICNED	OF ALL SHEET	NECESSARY)	r 11 - 19	70

IDPH 4.065 1/74 - KNB-1

White Copy —
III. Dept. of the proc Health
Yellow Copy — Well Contractor
Blue Copy — Yell Owner

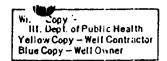
FILL IN ALL PERTINENT INFORMATION REDISTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

WELL CONSTRUCTION REPORT	10. Property owner Mer Arroy Acres Leawell No. 540
1. Type of Well a. Dug Bcred Hole Diam:in. Depth/5ft. Curb material Buried Slab: Yes No b. Driven Drive Pipe Diamin. Depth/5ft. c. Drilled Finished in Drift In Rock Tubular Gravel Packed d. Grout: (KIND) FROM (FL) TO (Ft.)	Address
2. Dis:ance to Neate sti Building Ft. Seepage Tile Field Cess Pool Sewer (non Cast iron)	Diam. (in.) Kind and Weight From (Ft.) To (Ft.) 13 / 5 CONTROLLED SHOW LOCATION IN SECTION PLAT Let 2.3 liverale Let 2.5 CONTROLLED Let 2.5 CONTROLLED Let 2.5 CONTROLLED Let 2.5 CONTROLLED
Privy Sewer (Cast iron) Sep:ic Tank Barnyard Lecching Pit Manure Pile 3. Is vater from this well to be used for human consumption? Yes No	16. Size Hole below casing:
4. Date well completed	(lay 0 75 145)
7. Pitless Adaptor Installed? Yes No No No No No No No No No No No No No	
REMARKS:	
IDPH 4.065 10-72 KNB-1	SIGNED DATE DATE CULL DATE

INSTRUCTION TO DRILLERS



FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

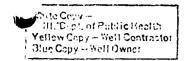
		Buried Slab: YesNo
		ipe Diam. <u>5</u> in. Depth <u>57</u> ft. d in Drift In Rock <u>X</u>
	Tubular Gravel	
	d. Grout:	deked
	(KIND)	FROM (Ft.) TO (Ft.)
	<u> </u>	
,	Distance to Negrest:	
٠.	Building 25 Ft.	Seepage Tile Field
	Cess Pool	Sewer (non Cast iron)
	Privy	Sewer (Cast iron)
	Privy Septic Tank50'	Barnyard
	Leaching Pit	Manure Pile
3.	Is water from this well to be t	used for human consumption?
	Yes No	7. 0 n0
ı.	Date well completed	9-0-70
i.	Permanent Pump Installed?	Yes X No Type Submersible pth of setting 100 ft.
	Manufacturer .barnes	Type Submersible
	CapacitygpmDe	pth of setting 100 ft.
	Well Top Sealed? Yes X	
		Yes X No
3.	Well Disinfected? Yes	No
9.	Water Sample Submitted?	esNoX
J.	anter sample submitted?	es NO

GEOLOGICAL	. AND	WATER	SURVEYS	WELL	RECORE
-------------------	-------	-------	----------------	------	--------

11. Perm 12. Water at de 14. Scree Leng	erty owner Paces Lot #59 Charle it No. 76 from Lime pth 56 to 1 en: Diam. th:ft. S.	stone ft. in.	Date _ 13. Cou Sec. Twp Rge	6-2 nty Wi 7 '4 5. 35N	11 /2	X	
Diam. (in.)		d Weight	From (Ft.)	To (Ft.)	ı <u> </u>	SHOW	r
5"	A-53	15 lbs.	0'	57'	SEC.	cation in tion plat t 59,54	
					Fa	t 59,50	بالمرسمة في ر
					1		
above	e ground level. for 1 hours	Pumping leve	el <u>75</u> ft.	when pu		g at <u>10</u>	
		Clay		1/	81	18'	
		Gravel			- 8 i	56'	
		Limestone)		9'	145'	
(CONTIN	UE ON SEPARA	TE SHEET IF			- 26	. 1978	

IDPH 4.065 10-72

KNB-1



FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

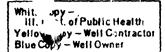
GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

WELL CONSTRUCTION REPORT 1. Type of Well a. Dug Bored Hole Diamin. Depthft. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diamin. Depthft. c. Drilled Finished in Drift In Rock X Tubular Gravel Packed d. Grout: (KINE) FROM (FL) TO (FL)	10. Property owner AN LIKERON Well No. Address MCK (CQ, II). Driller Kir Fill License No. IC 11. Permit No. 22777 Date 1-211- 12. Water from 1 (1) 5 (2) 13. County 11 at depth 20 to 20 ft. Sec. 18 14. Screen: Diam. in. Twp. 3511 Length: it. Slot Rge. RE Elev. Elev.	73 <u></u>
	Diam. (in.) Kind and Weight From (Ft.) To (Ft.)	SHOW LOCATION IN
2. Distance to Nearest: BuildingFt. Seepage Tile Field Cess Pool Sewer (non Cast iron)		section Plat Lot 20 Brightweed Lot NG
Privy Sewer (Cast iron) Septic Tank Barnyard	16. Size Hole below casing:in. 17. Static level ft. below casing top which is	ft.
Lecching Pit Manure Pile	above ground level. Pumping level ft. when pum	
3. Is water from this well to be used for human consumption?	gpm for hours.	• •
Yes No 7-6-73	18. FORMATIONS PASSED THROUGH THICKS	ESS DEPTH OF
	Overburden	85
5. Permanent Pump Installed? Yes No Manufacturer DATOLS Type Survey St. Capacity O gpm. Depth of setting 75 ft.	Deal formation 68	130
6. Well Top Sealed? Yes No No		
7. Pitless Adaptor Installed? Yes No No		
8. Well Disinfected? Yes No No		
9. Water Sample Submitted? Yes No		
REMARKS:		
Curer instructed.		
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	
IDPH 4.065	0,000	7273

10/68

INSTRUCT TO DRILLERS



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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of We! a. Duo Bored Hole Diam. 5 in. Depth 165 ft. Curb material Buried Slab: Yes No b. Driven Drive Pipe Diam. 5 in. Depth 6 ft. c. Drilled Finished in Drift In Rock Tubular Gravel Packed
	d. Grout: (KIND) PROM (Pt.) TO (Pt.)
2.	Distance to Negrest: Building 30 Ft. Seepage Tile Field 75' Cess Pool Sewer (non Cast iron) Privy Septic Tank 50' Barnyard Leaching Pit Manure Pile
	Is water from this well to be used for human consumption? Yes X No 77-17-75 Date well completed 77-17-75
4 .	Date well completed
	Permanent Pump Installed? Yes X No Manufacturer Sames Type Submersible Capacity 10 gpm. Depth of setting 80 ft.
	Well Top Sealed? Yes No No
7 .	Pitless Adaptor Installed? Yes X No No
	Well Disinfected; Yes No
9.	Water Sample Submitted? YesNoX
REI	MARKS:

GEULU	GICAL AND WATER	20HAF 12	WELL	1ECO	HD
10. Property	Fred Thom	som to	_Well No		
Address _			אמני רתו	ترور لا	
Driller				23	
11. Permit No	37588	Licens Date	5-12-	75	
	Kimestone	13. Сош	nty W	200	2
	Formation 101 to 165 ft.	Sec.	-		
-	21 to 122 tt. Diamin.		35k	-, ,	
			125		
220ttg:::		-	·	_	
15. Casing an	d Liner Pipe	2.01	•	L	
Diam. (in.)	Kind and Weight	Prom (Ft.)	To (Ft.)	١.,	SHOW CATION IN
5 /	9-53 15lbs	0	61	SEC	TION PLAT
				5E S	ENW
16 Sina Mala	below casing: 5				
17 Static lev	el <u>50</u> It. below casi	III. na ton whic	·hie ·	+ /	
	CI TETTE IL DOION COST	THE COL MILLS			
above aro	und level. Pumping lev	el 60 ft.	when no	main	r at 10
above gro	und level. Pumping lev hours.	el <u>60</u> ft.	when pu	mpin	g at 10_
above gro	und level. Pumping lev	el <u>GCI</u> ft.	when pu	mpin	
above gro	und level. Pumping lev hours.	el <u>GCI</u> ft.	when pu	NESS	
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	when pu	mpin	DEPTH OP BOTTOM
above gro	und level. Pumping lev hours.	el <u>GCI</u> ft.	when pu	NESS	DEPTH OF BOTTOM
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	NESS	DEPTH OP BOTTOM
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	NESS	DEPTH OF BOTTOM
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	NESS	DEPTH OF BOTTOM 2- 20 40
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours.	el <u>GCI</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours. MATIONS PASSED THROUGH	el <u>(221</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours.	el <u>(221</u> ft.	THICK	impino	DEPTH OF BOTTOM 2 20 40
above groups for	und level. Pumping lev hours. MATIONS PASSED THROUGH	NECESSARY	THICK	INESS 18 20 21 17 20 21 21	DEPTH OF BOTTOM 2 20 40

INSTRUCTIONS TO LERS

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GEOLOGICAL AND WATER SURVEYS WELL RECORD

Well No. ___

LOCATION IN SECTION PLAT

DEPTH OF BOTTOM

251

851

150'

_ ft. when pumping at_

10. Property owner __ Jim Meader

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well					Addre:	ss Farrell Rd.			
	a. Dug	Bored H	Iole Diam. <u>5i</u> i	n. Depth <u>150</u> ft.		Drille		Licen	se No	23
	Curb materio	ol I	Buried Slab: Yes	No	11.	Permit	No. <u>99703</u>	Date _	5-14-	81
	b. Driven	Drive Pi	pe Diam. <u>5</u> in	. Depth <u>40</u> ft.	12.	Water:	from Limesotne	13. Cou	inty	ill
	c. Drilled	Finished	l in Drift	In Rock X.		حداد شد	th 85 to 150 ft.		. <u>30⋅γ</u>	
	Tubular	Gravel F	acked	•	14	-	n: Diamin.		. 36N	
	d. Grout:	(kind)	FROM (Ft.)	TO (Ft.)	44.		h:ft. Slot		· LIE	
		Cement	-5	40'		– 0.790		•	v	,
		Centent		1 40	15.	Casin	g and Liner Pipe	m.e	v. 	
		<u> </u>				m. (in.)		T (70.)	To (FL.)	, —
				1	1011					LO
2.	Distance to Ne	arest:				5	Schedule 40 PVC	0	40	NW
	Building		Seepage Tile Fi	eld75			1120-NSF 2.87 1bs.		<u> </u>]
	Cess Pool		• •	iron)	Ŀ				<u></u>	
	Privy)	16.	Size H	lole below casing: 5	in.		
	Septic Tank	50 '	-	·			level 50 ft. below casi	ng top whi	ch is	+1
	Leaching Pit_						ground level. Pumping lev			
				esNo		gpm fo	or 1 hours.			
4.	Date well comp	leted5-21-	-81				FORMATIONS PASSED THROUGH		THIC	CNESS
5.	Permanent Pum	p Installed? Y	es_X_Date_5=2	3 <u>-81</u> No	18.		TOREXTIONS PASSED THROUGH			LNESS
				tion <u>Well</u>	To	p Soi	1		3'	
				Ft.				4+4		
				rmin-Proof (Wms.)	<u>C1</u>	ay			22'	
7.			YesX No		Gr	av Li	mestone		60'	
	Manufacturer	WILLIAMS	Model Num	skot Connection					65'	
				sket Connection	_WI	ite L	imestone		105	
			No	N-	_					
			ted? Yes_X							
10.			. typexzvz				· · · · · · · · · · · · · · · · · · ·			
11			s No		-					
	MARKS:	ut/milleu: le	٠١٧ ــــــــــــــــــــــــــــــــــــ						i	
	u 11 U.									
	٠									
					(C	UNITHO	e on separate sheet if	NECESSAR'	r)	
						•	Charle To	1 1		
					SIG	NED _	Charles Fruk	D/ D	ATE 2-10	<u>6-83</u>

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FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.



ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

		Finished	in Drift acked	In Rock
	d. Grout:	(KIND)	PROM (P1.)	TO (Ft.)
			. 0	50
	Distance to Neare			75
	Building		Seepage Tile Fie	
	Cess Pool			iron)
	Privy			
	Septic Tank			
	Leaching Pit			No.
	Well furnishes wa		•	
	Date well complete Permanent Pump I			
•	Mendent Pump i	nstuted: I	ypeLocal	110
			f Setting	
	Well Top Sealed?			
	Pitless Adapter In			
•			Model Numb	
			solver will	
	Well Disinfected?	.usi gr	No.	
	Pump and Equipm			N _a
	Pressure Tank Siz	روست ، ساوست ، سامور	·····	
١.			8 No _&	

10.		ly owner Bro-Bre Con				
	Addres	BOBOK 667 A	remone	110	, 	
	Driller	- Rook Willerdorf	Licens	e No	<u> </u>	003075
11. 12	Permit	No. 367 from Simistone	Date	<u>~-,29-x</u>	<u> </u>	
14.						
		th toft.		<u>۶۱.۱۶</u>		
14.		: Diamln. ::ft. Slot	Twp Rge	<u> عن یا</u>		
	Length	i II. 510(_	. <u>276</u> 1	ľ	
		and Liner Pipe	E le	/,		
Die	a. (ia.)	Kind and Weight	From (Ft.)	To (Ft.)	LO	MI MOITAC
L	5	Black Steel	0	50	,	FION PLAT
					NE	SE NE
		ground level. Pumping lev	11.	. wnen pu	ımpını	g
18.	gpm fo	pormations passed through			(NESS	
	gpm fo	or bours.			(NESS	DEPTH OF BOTTOM
_0	gpm fo	or bours.	он 	ТНІСІ	CHEAS	DEPTH OF BOTTOM
ے ک	lry Exam	or bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	DEPTH OF BOTTOM
ک د د	lay Escar	or hours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth of Bottom 35
ک د د	lay Escar	or 4 bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth of Bottom 35
ک د د	lay Escar	or 4 bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth op Bottom 35
ک د د	lay Escar	or 4 bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth op Bottom 35
ک د د	lay Escar	or 4 bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth op Bottom 35
ک د د	lay Escar	or 4 bours. FORMATIONS PASSED THROUGH	он 	THICE	CHESS	Depth of Bottom 35
	gpm to	or 4 bours. FORMATIONS PASSED THROUGH	gH .	33 13 47 10	CHESS	Depth of Bottom 35